



FIG. 1

102
100

SWITCH FABRIC MODULE

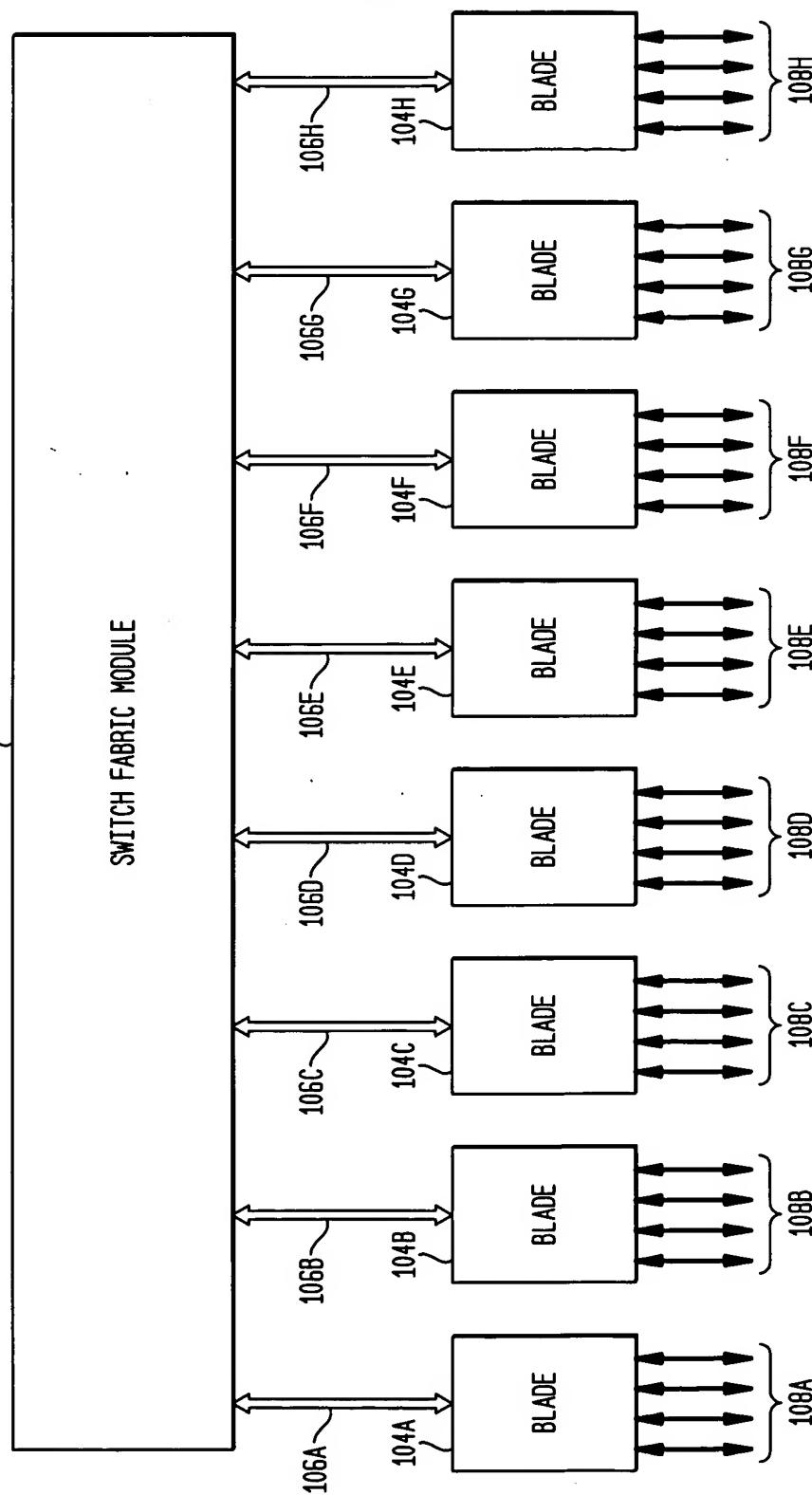
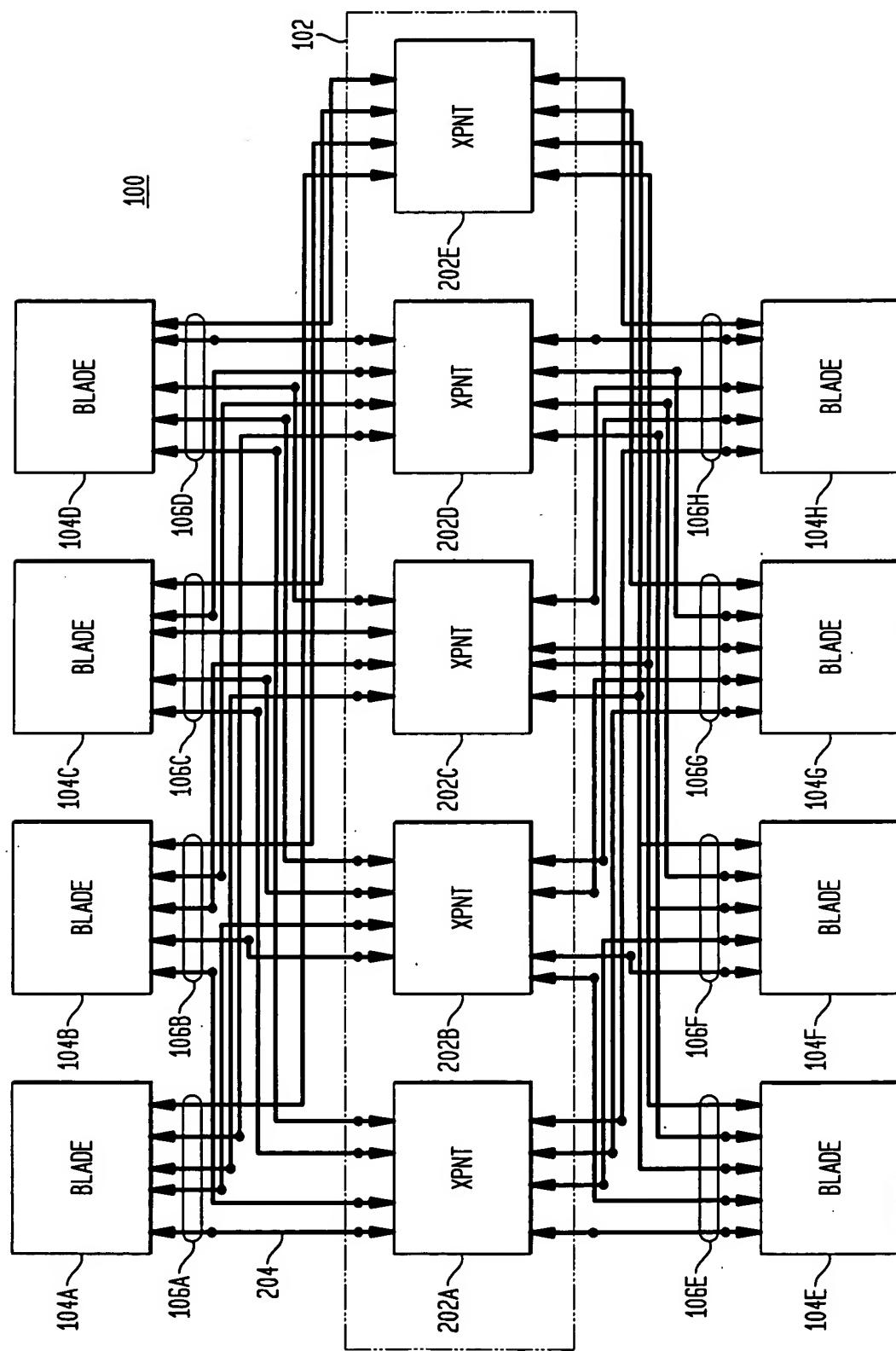


FIG. 2



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FIG. 3A

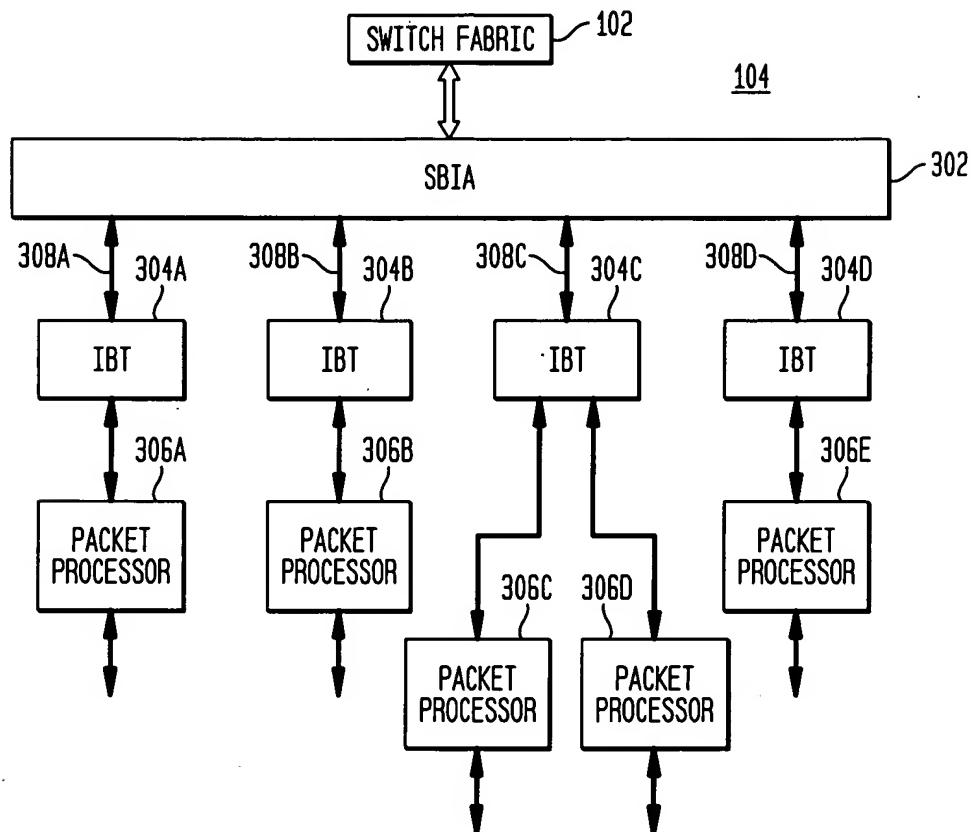


FIG. 3B

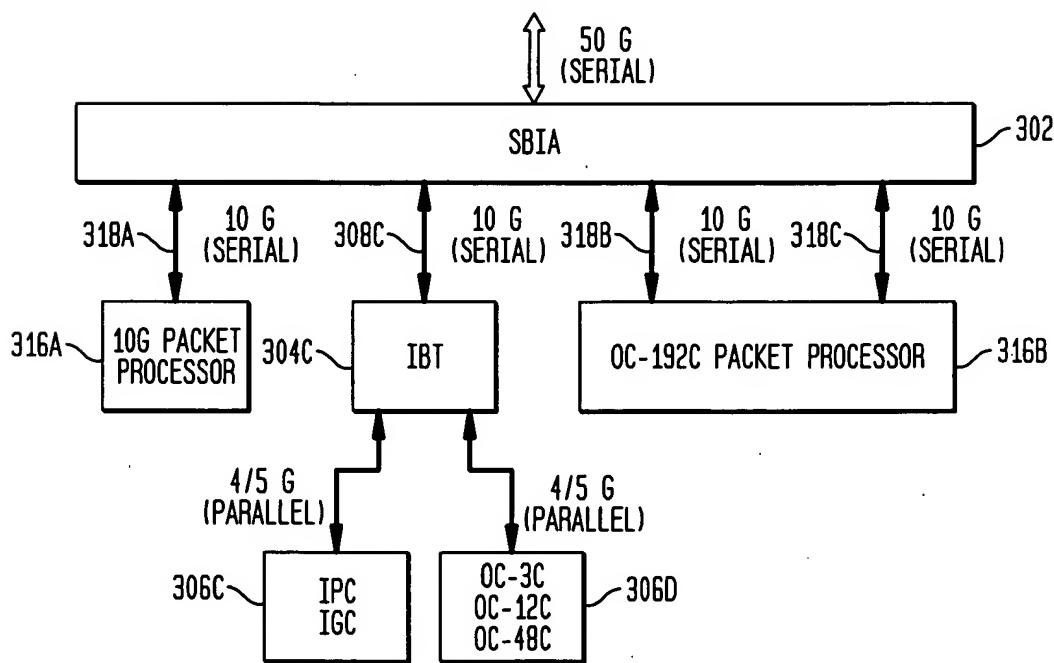


FIG. 4

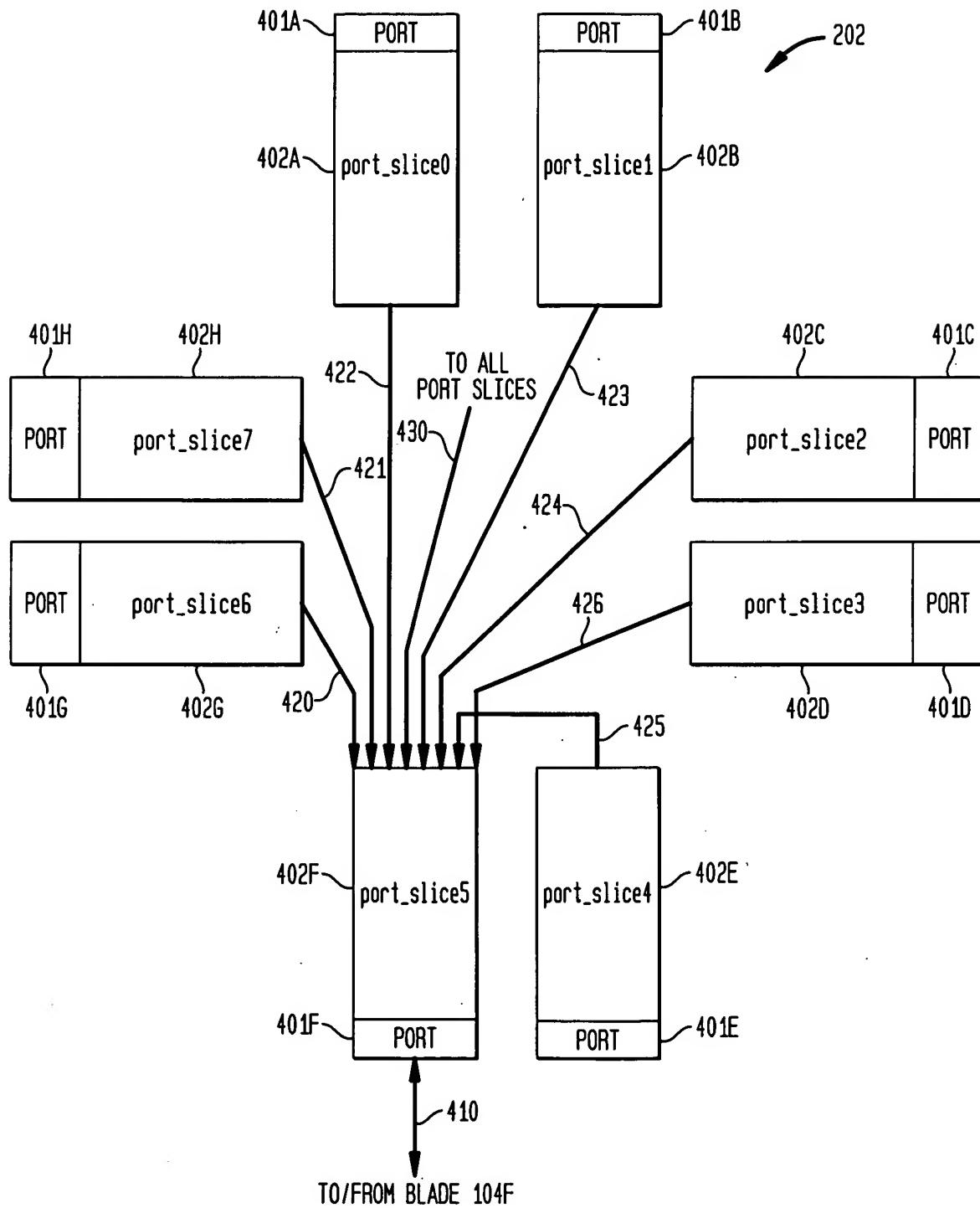
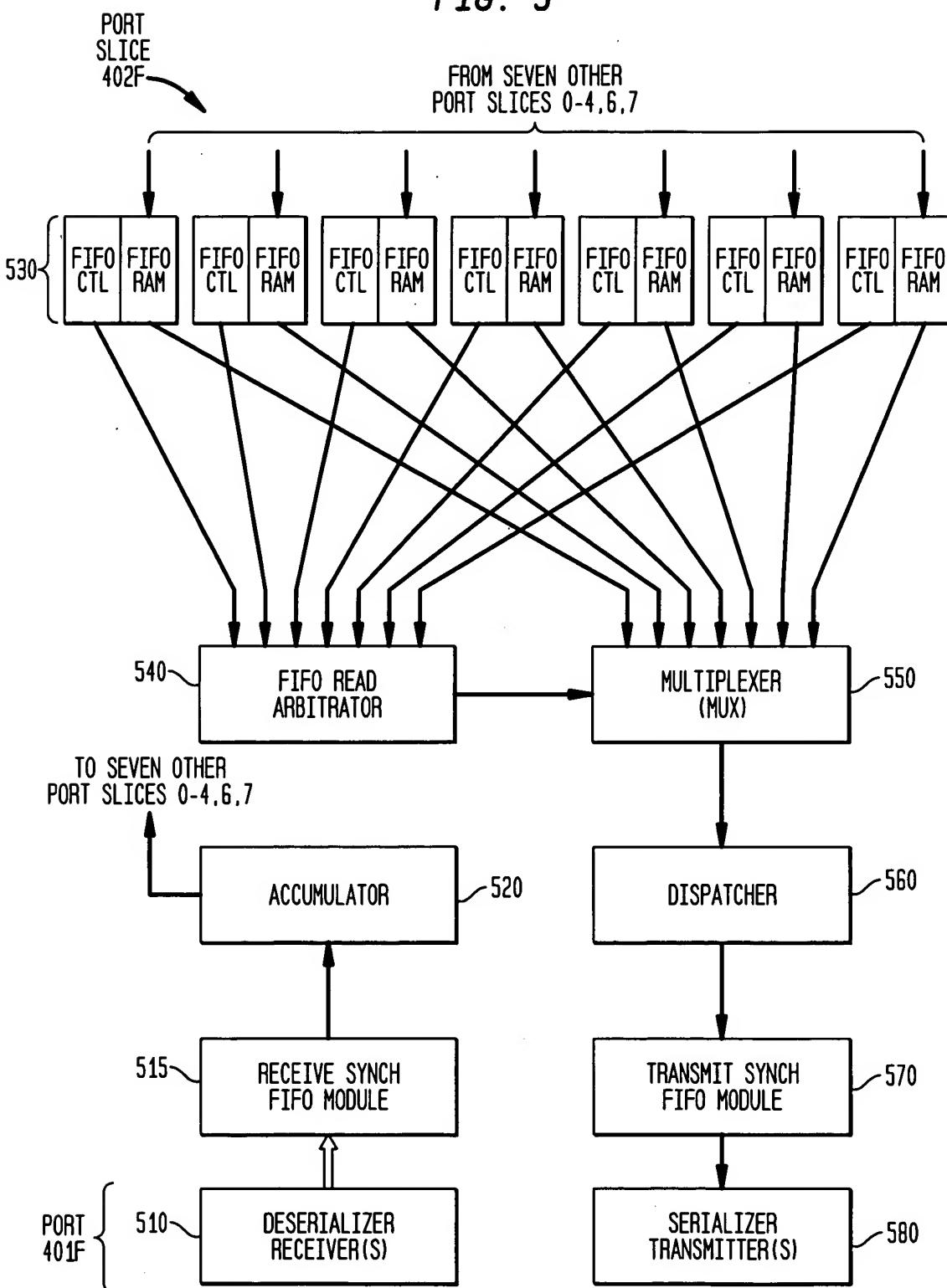
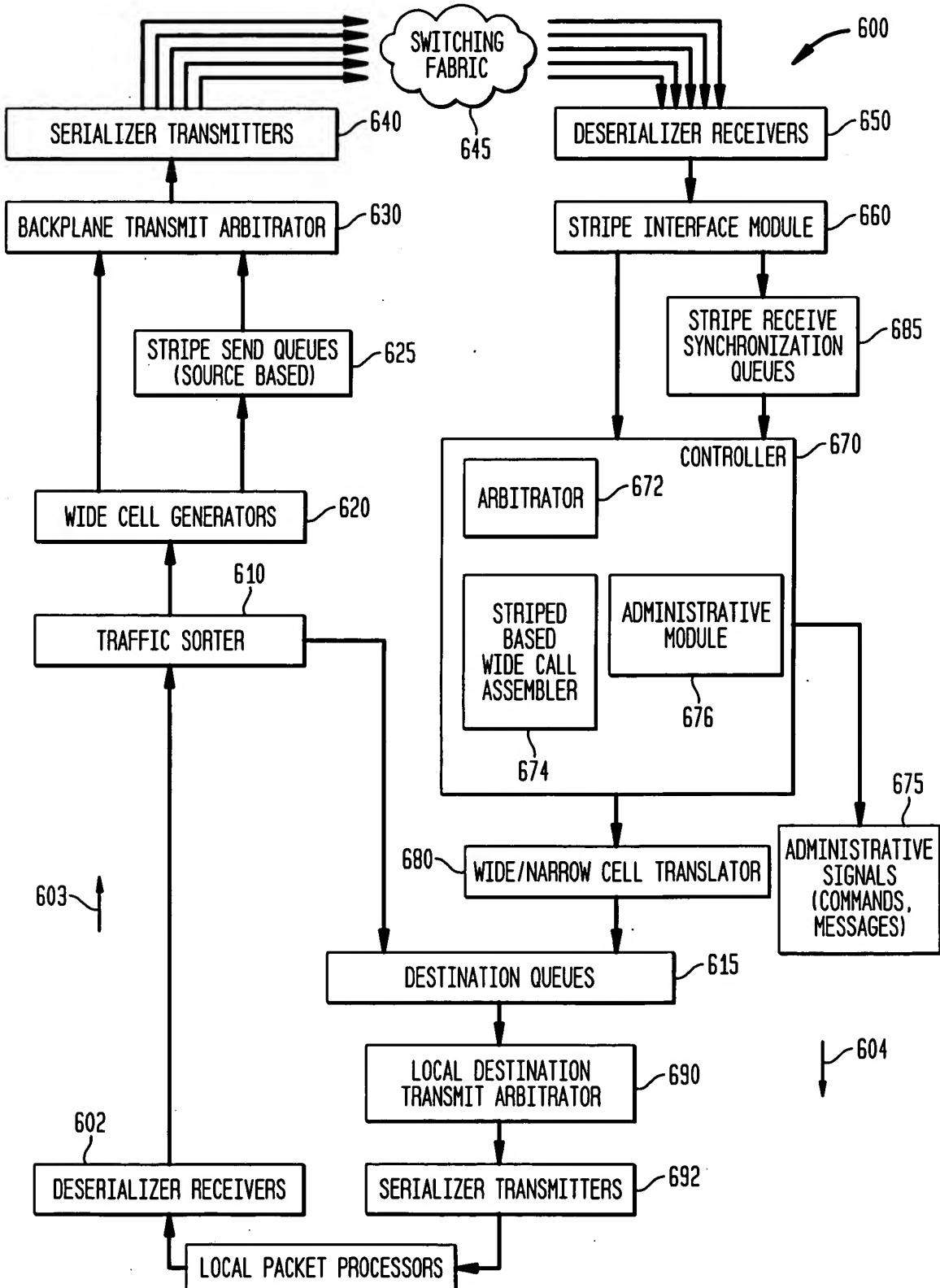


FIG. 5



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FIG. 6



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FIG. 7

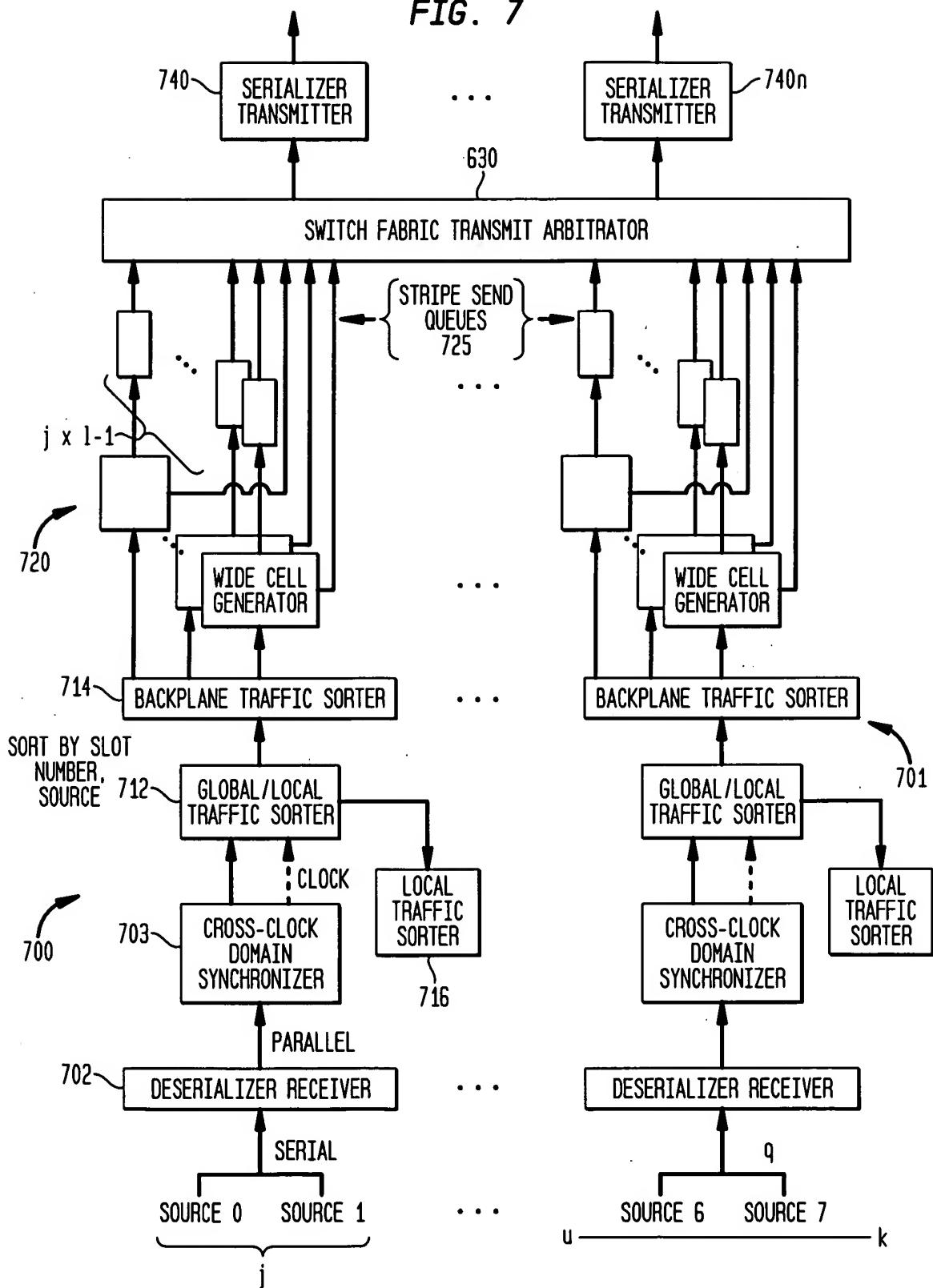
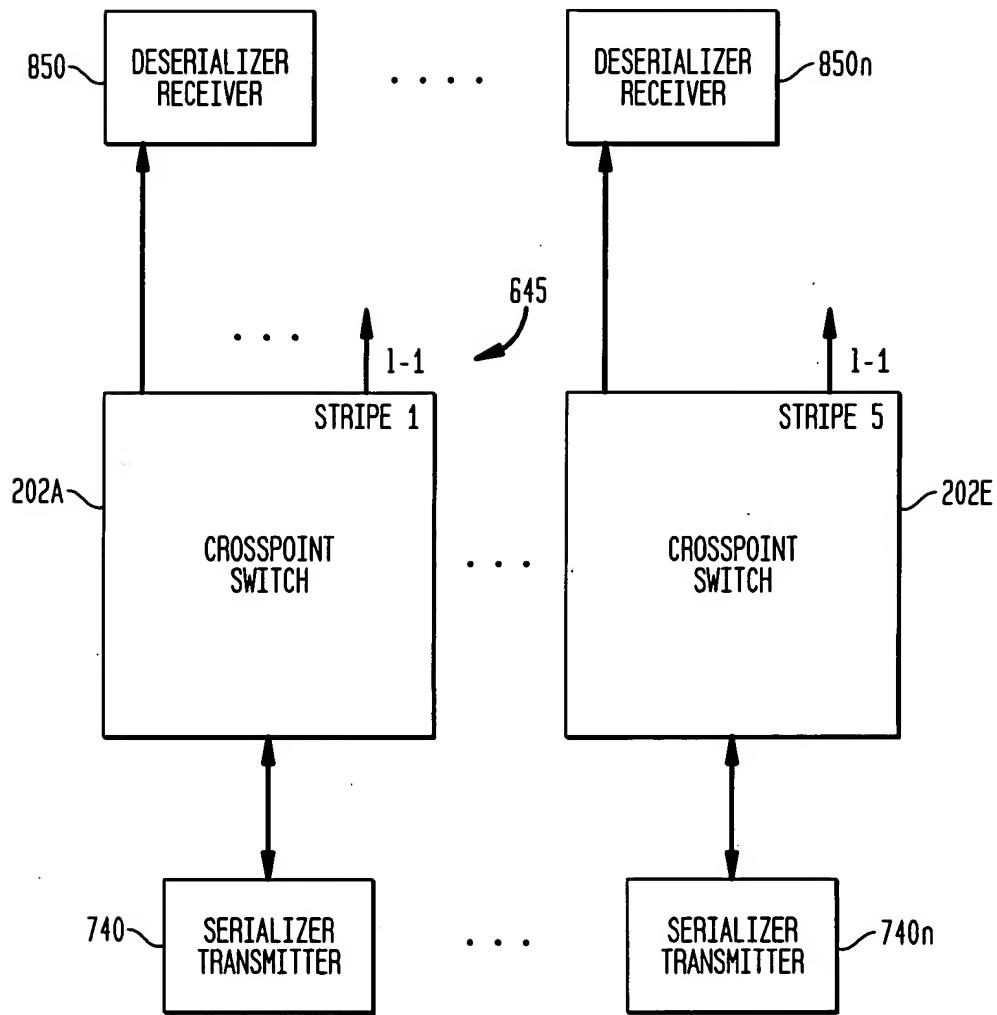
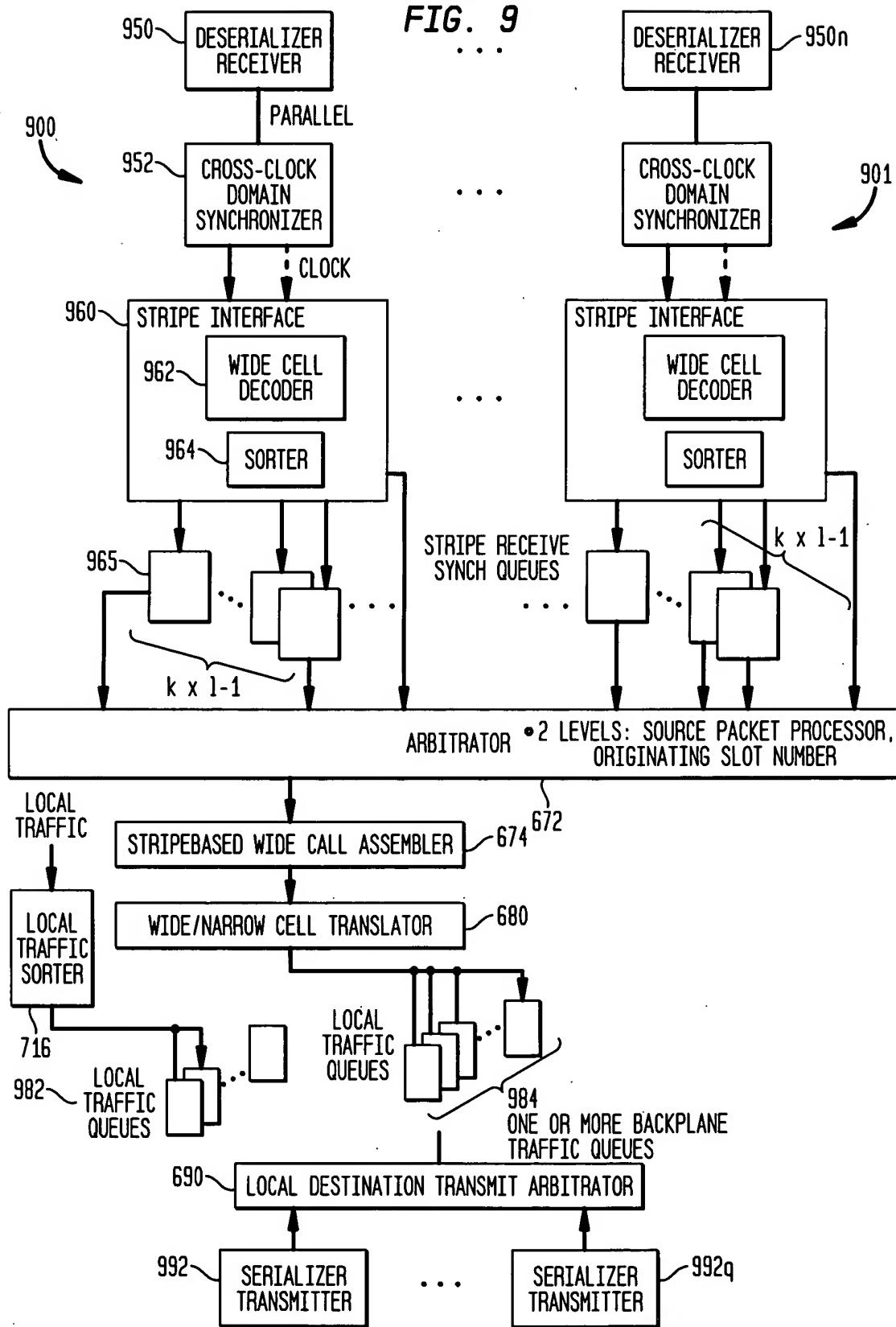


FIG. 8



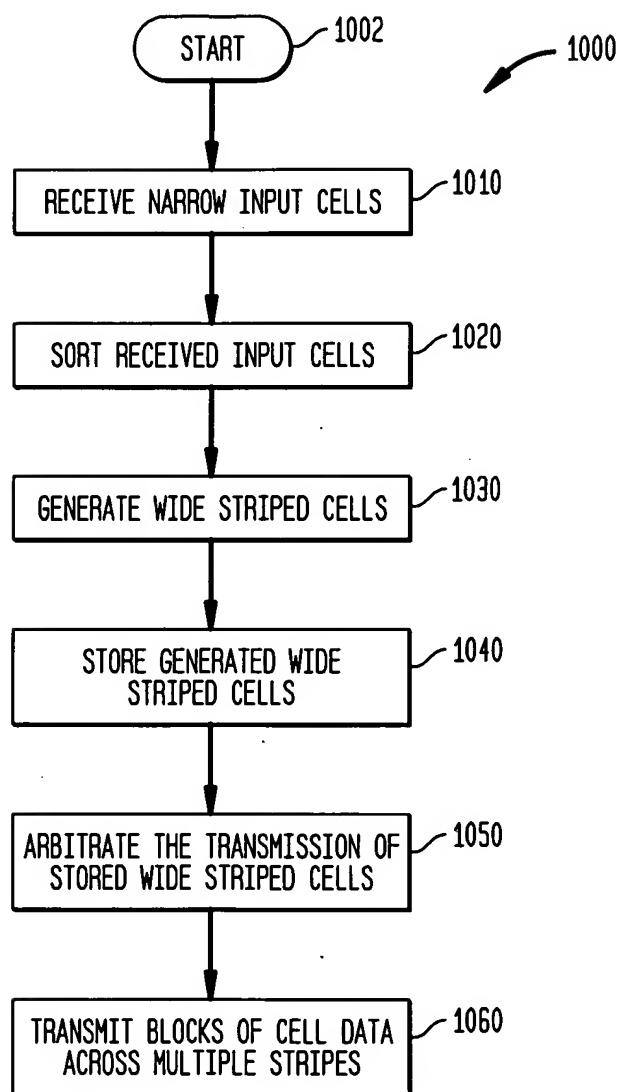
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FIG. 9



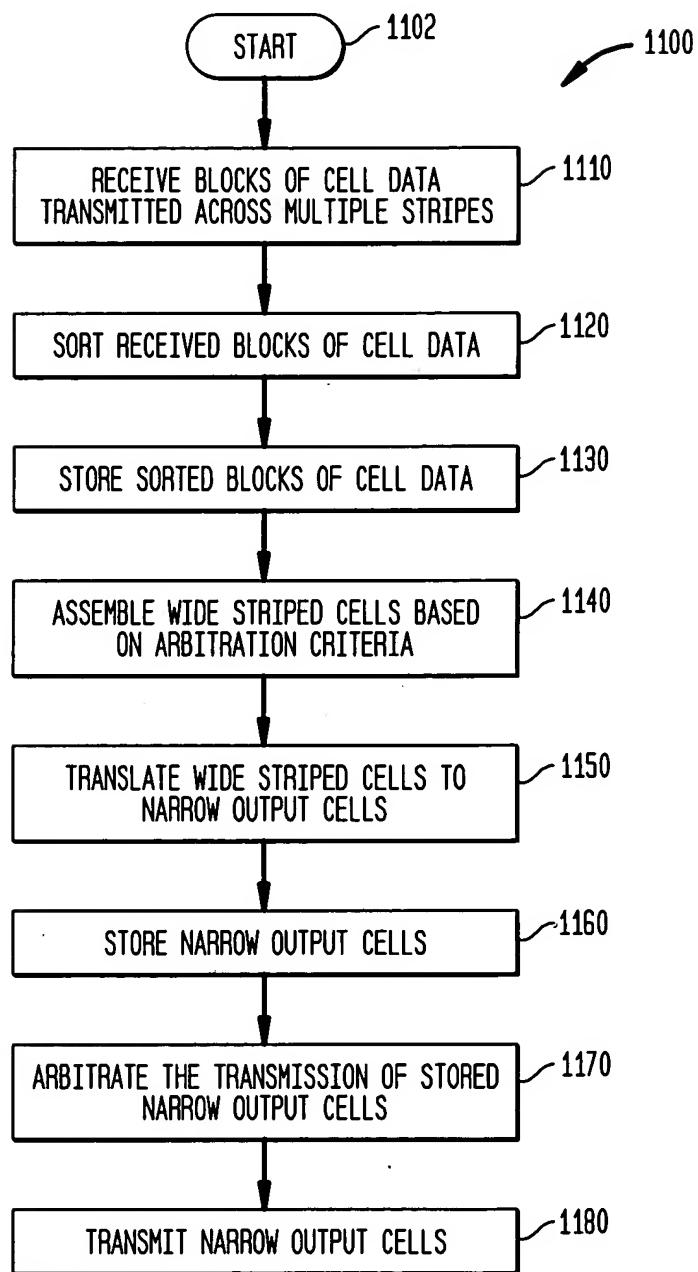
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FIG. 10



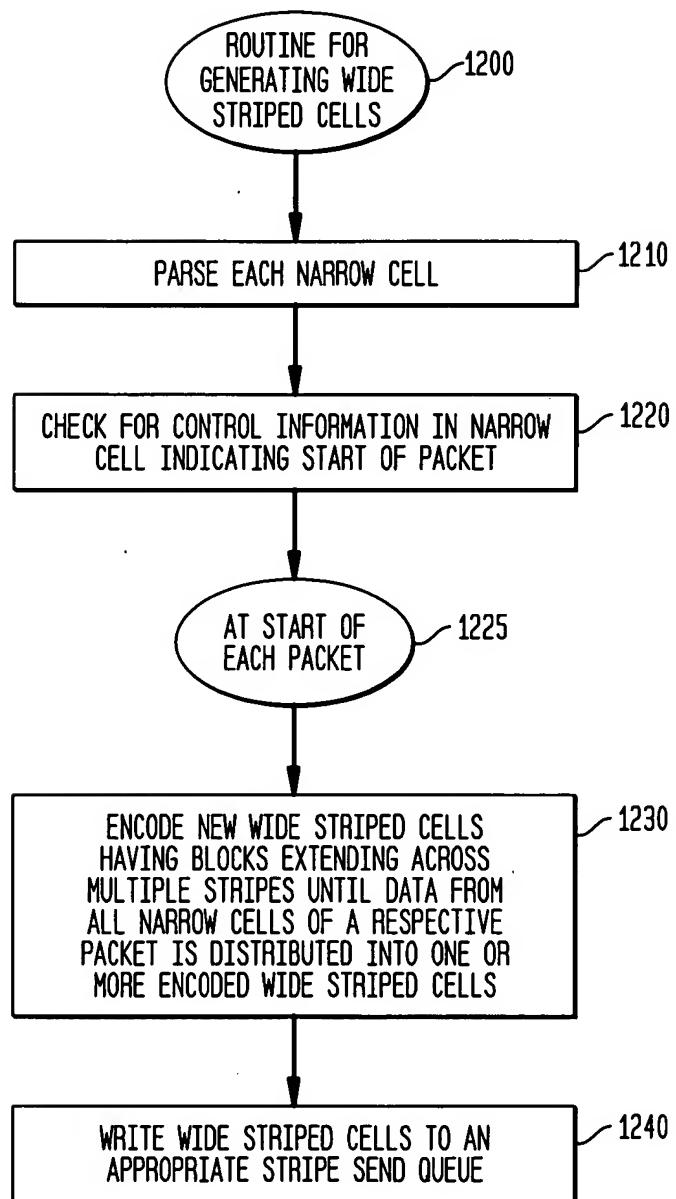
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FIG. 11



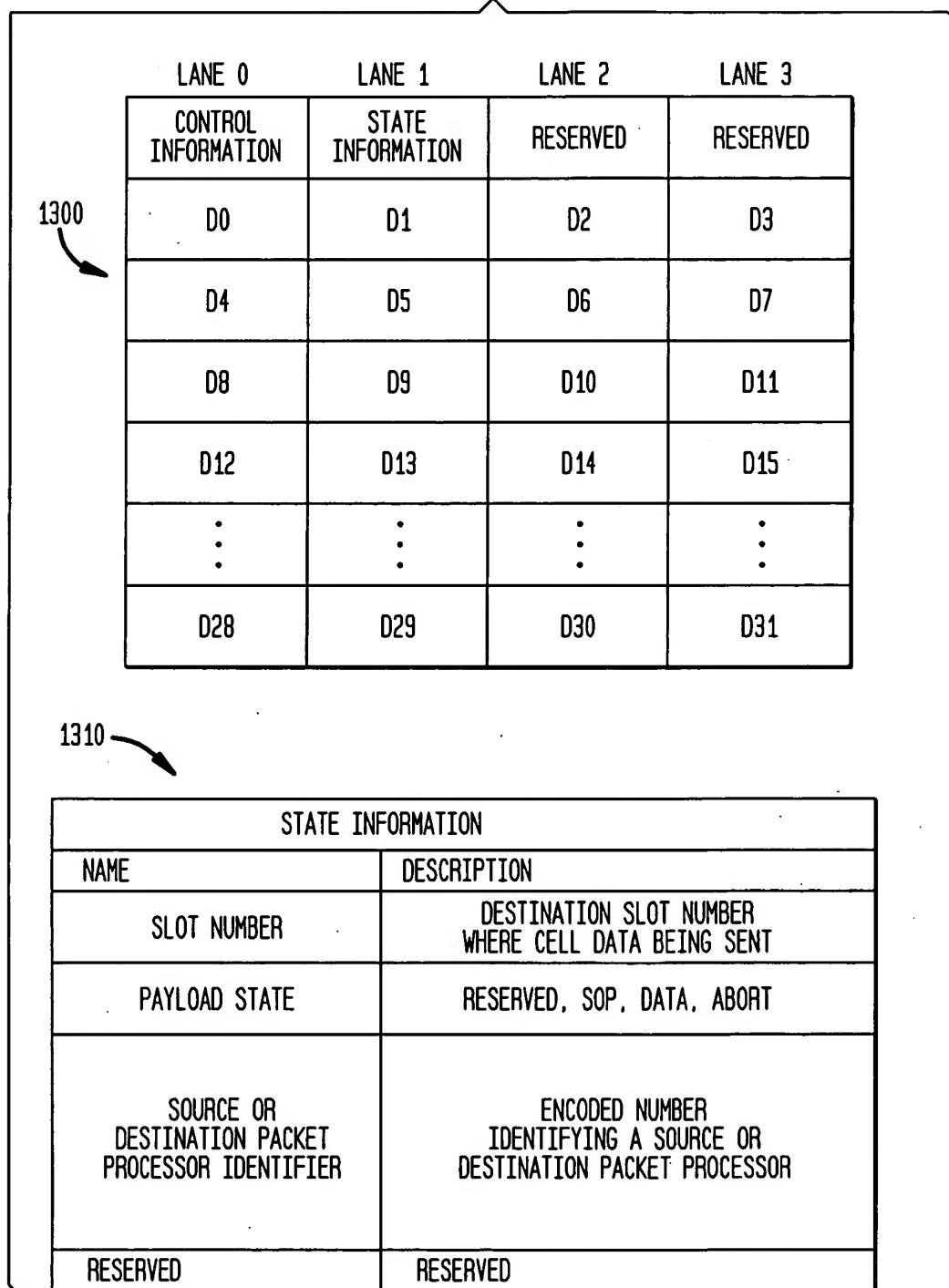
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FIG. 12



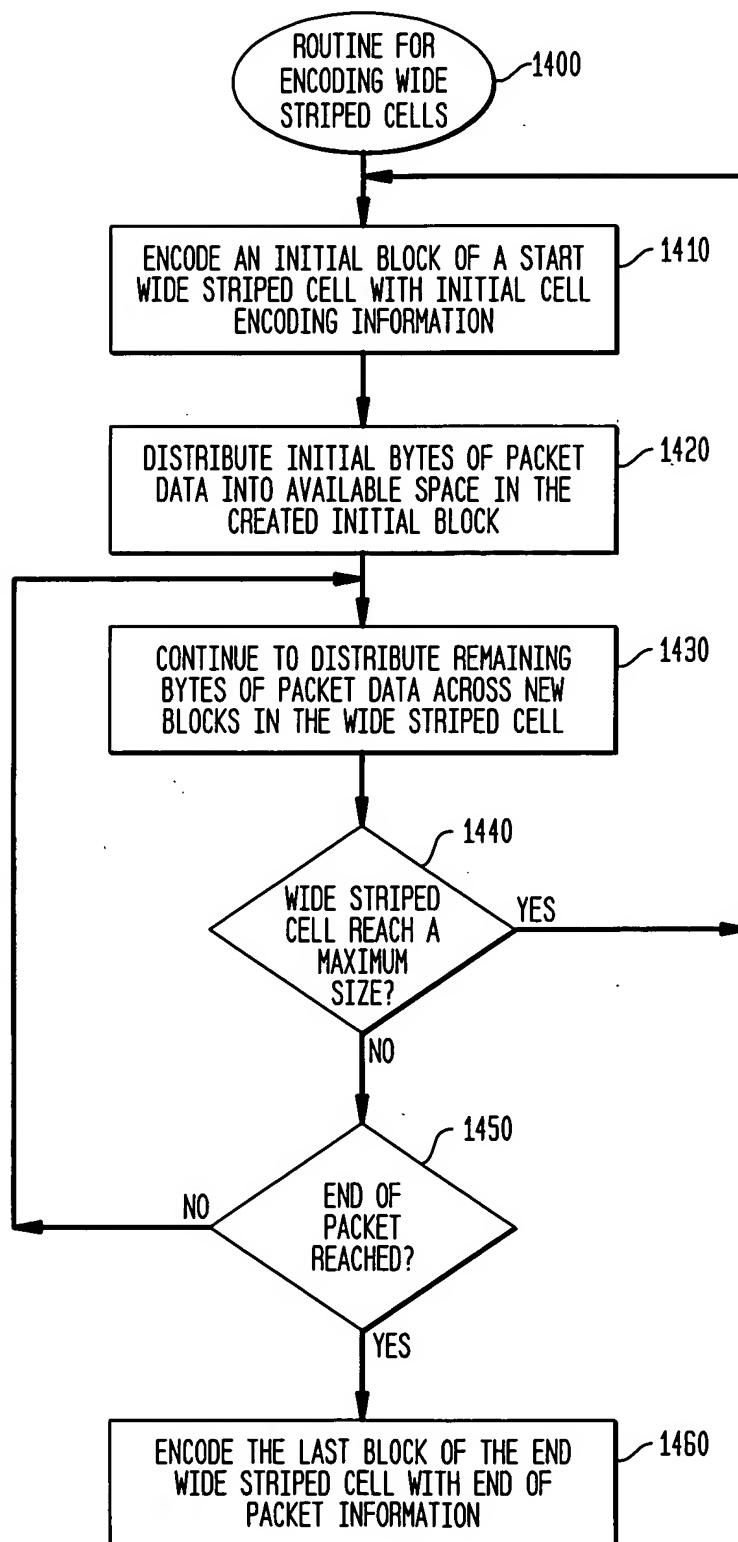
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FIG. 13



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FIG. 14



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FIG. 15A

CYCLE	STRIPE 1				STRIPE 2				STRIPE 3				STRIPE 4				STRIPE 5			
	L0	L1	L2	L3	L0	L1	L2	L3												
1	K0	STATE	D0	D1	K0	STATE	D2	D3	K0	STATE	D4	D5	K0	STATE	D6	D7	K0	STATE	RES	RES
2	D8																			D27
3	D28																			D47
4	D48																			D67
5	D68																			D87
6	D88																			D107
7	D108																			D127
8	D128																			D147

1500 →

FIG. 15B

STATE INFORMATION	
NAME	DESCRIPTION
SLOT NUMBER	DESTINATION SLOT NUMBER FOR BIA TO CROSSPOINT SWITCH DIRECTION SOURCE SLOT NUMBER FOR CROSSPOINT SWITCH TO BIA DIRECTION
PAYLOAD STATE	ENCODED PAYLOAD STATE INFORMATION (RESERVED, SOA, DATA, ABORT)
RESERVED	RESERVED

FIG. 15C

END OF PACKET ENCODING INFORMATION

1. EOP DURING CYCLE 1 (i.e. DURING TRANSMISSION OF STATE INFORMATION)

1 K0	state D0	D1 K0	state D2	D3 K0	state K1	K1 K0	state K1	K1 K0	state RES RES
------	----------	-------	----------	-------	----------	-------	----------	-------	---------------

NOTE THAT THE K0, STATE, AND RESERVED BYTES ARE ALL PRESERVED, AS IN ANY OTHER CYCLE 1 TRANSMISSION. THE K1 CHARACTER IS TREATED AS DATA

2. EOP DURING CYCLE n (n!=0)

1 K0	state D0	D1 K0	state D2	D3 K0	state D4	D5 K0	state D6	D7 K0	state RES RES
2 D8									027
3 D28									

3. EOP AT BLOCK BOUNDARY DURING CYCLE n (n!=0)

1 K0	state D0	D1 K0	state D2	D3 K0	state D4	D5 K0	state D6	D7 K0	state RES RES
2 D8									027
3 K1	K1 K1	K1 K1	K1 K1						

NOTE THAT WHEN n>0, THE BLOCK BOUNDARY FOR DATA IS IN LANE 3 STRIPE 5. HOWEVER, FOR n=0, THE BLOCK BOUNDARY FOR DATA IS IN LANE 3 OF STRIPE 4.

4. EOP at cell boundary

6 D88									0107
7 D108									0127
8 D128									0147

1 K0	state K1	K1 K0	state RES RES						
------	----------	-------	----------	-------	----------	-------	----------	-------	---------------

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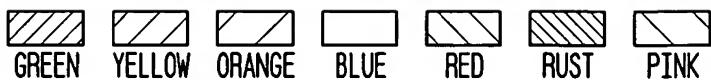
FIG. 15D

CYCLE	STRIPE 1				STRIPE 2				STRIPE 3				STRIPE 4				STRIPE 5			
	L0	L1	L2	L3	L0	L1	L2	L3	L0	L1	L2	L3	L0	L1	L2	L3	L0	L1	L2	L3
1	K0	P1	D0	D1																
2	D8			D11																
3	D28			D31	K0	P1	D2	D3												
4	D48			D51	D12		D15						K0	P1	D6	D7				
5	D68			D71	D32		D35						D20			D23				
6	D88			D91	D52		D55	K0	P1	D4	D5		D40			D43				
7	D108			D111	D72		D75	D16		D19		D60			D63	K0	P1	RES	RES	
8	D128			D131	D92		D95	D36		D39		D80			D83	D24			D27	

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FIG. 16

CYCLE	STRIPE 1				STRIPE 2				STRIPE 3				STRIPE 4				STRIPE 5			
	L0	L1	L2	L3	L0	L1	L2	L3	L0	L1	L2	L3	L0	L1	L2	L3	L0	L1	L2	L3
1	K0	SS1	D0	D1	K0	SS6	D151	D152	K0	SS2	D4	D5	K0	SS3	D6	D7	K0	S37	RES	RES
2	D8			D11	D161	D162	D163	K1	D16		D19	D20		D23	D20		D323			
3	D28			D31	K0	SS2	D2	D3	D36		D38	D40		D43	D340		D343			
4	D48			D51	D12		D15	D56		D59	K0	SS4	D6	D7	D360		D363			
5	D68			D71	D32		D35	D76	K1	K1	K1	D20		D23	D380		D383			
6	D88			D91	D52		D55	K0	SS3	D4	D5	D40		D43	K1	X1	K1	K1		
7	D108			D111	D72		D75	D16		D19	D60		D63	K0	SS5	RES	RES			
8	D128			D131	K0	SS5	D2	D3	D36		D39	D80	K1	K1	K1	D24		D27		
9	K0	SS4	D0	D1	D12		D15	K0	SS6	D153	D154	K0	SS2	D6	D7	D44		D47		
10	D8			D11	D32		D35	K1	K1	K1	K1	D20		D23	D64		D67			
11	D28			D31	D52		D55	K0	SS7	D300	D301	D40		D43	K0	SS1	RES	RES		
12	D48			D51	K0	SS1	D2	D3	D312		D315	D60		D63	D24		D27			
13	D68			D71	D12		D15	D32		D335	K1	K1	K1	K1	D44		D47			
14	K0	SS7	D296	D297	D32		D35	D352		D355	K0	SS6	D155	D156	D64		D67			
15	D304			D307	D52		D55	D372		D375	K1	K1	K1	K1	D84		D87			
16	D324			D327	D72		D75	K1	K1	K1	K1	K0	SS1	D6	D7	D104		D107		
17	D344			D347	D82		D85	K0	SS5	D4	D5	D20		D23	D124		D127			
18	D364			D367	D112		D115	D16		D19	D40		D43	D144		D147				
19	K1	K1	K1	K1	D132		D135	D36		D39	D60		D63	D0	SS3	RES	RES			
20	K0	SS6	D149	D150	K0	SS7	D298	D299	D56		D59	D80		D83	D24		D27			
21	D157			D160	D309		D311	K0	SS1	D4	D5	D100		D103	D44	D45	K1	K1		
22	K0	SS1	K1	K1	D326		D331	D16		D19	D120		D123	K0	SS2	RES	RES			
23	K0	SS3	D0	D1	D348		D351	D36		D39	D140		D143	D24		D27				
24	D8			D11	D368		D371	D56		D59	K0	SS7	D302	D303	D44		D47			



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FIG. 17

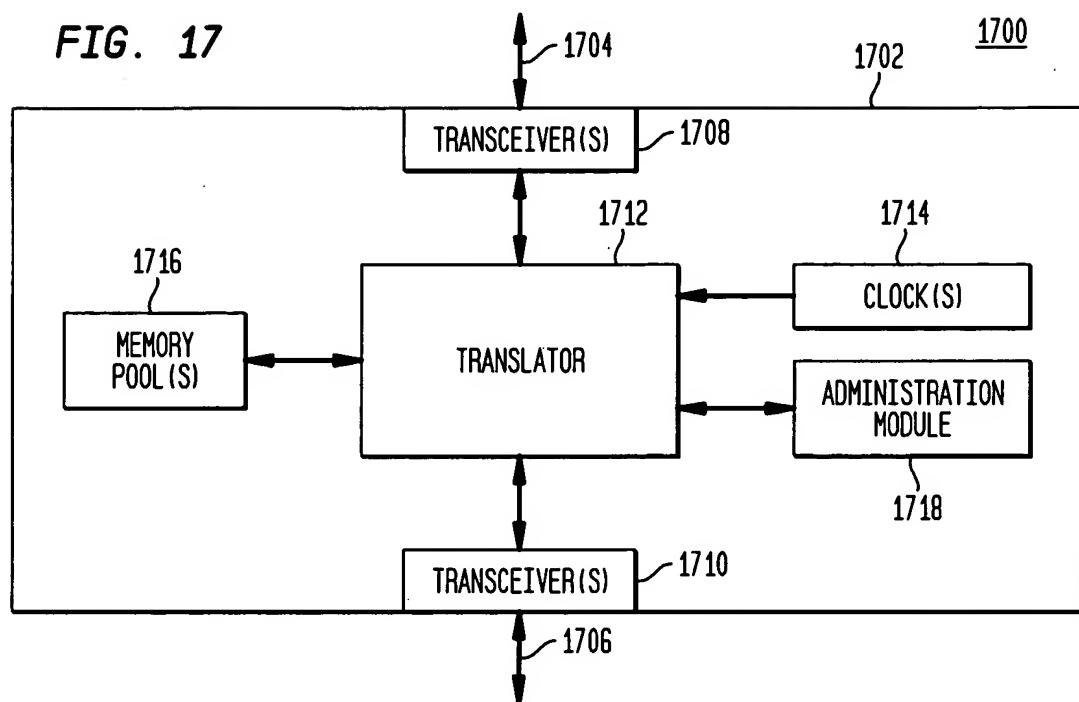
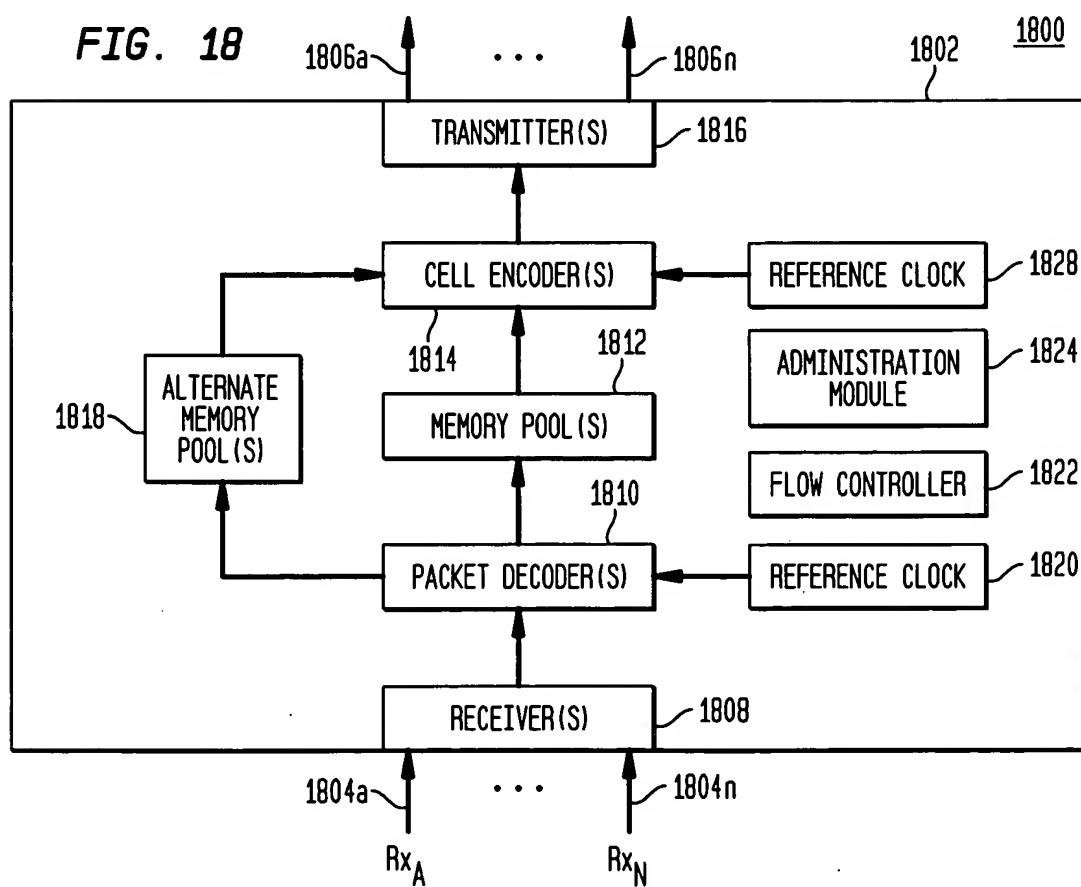


FIG. 18



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FIG. 19

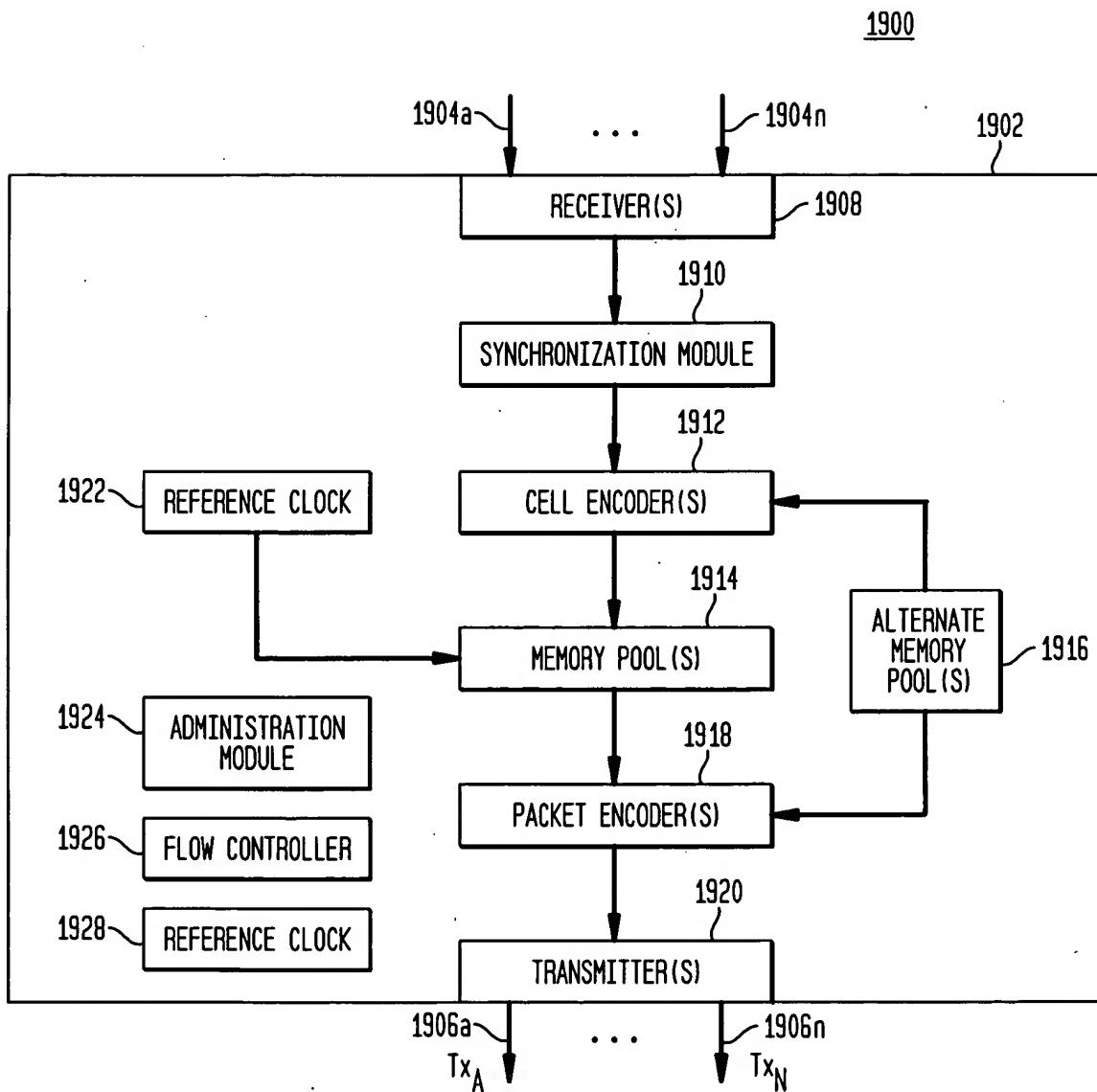
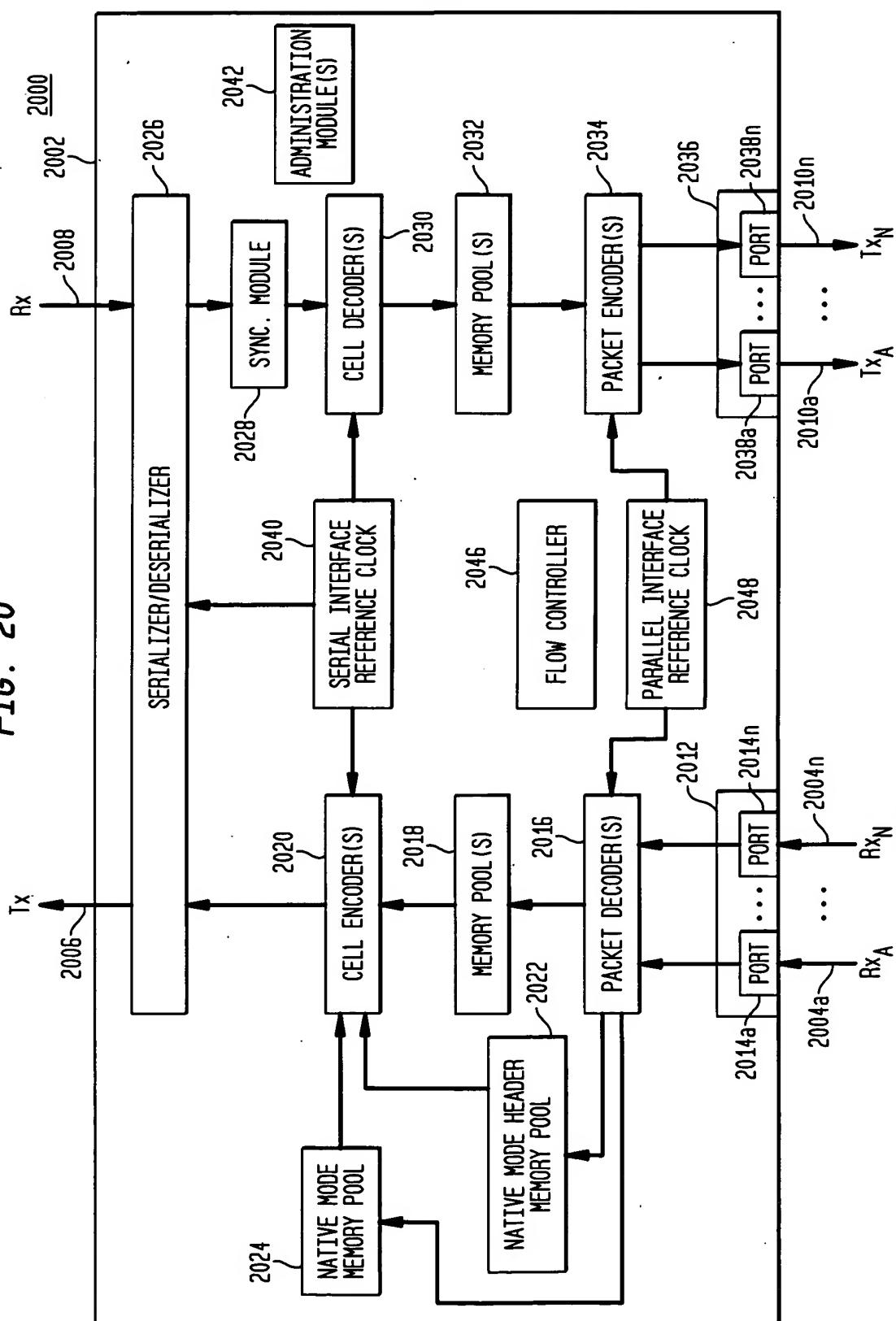
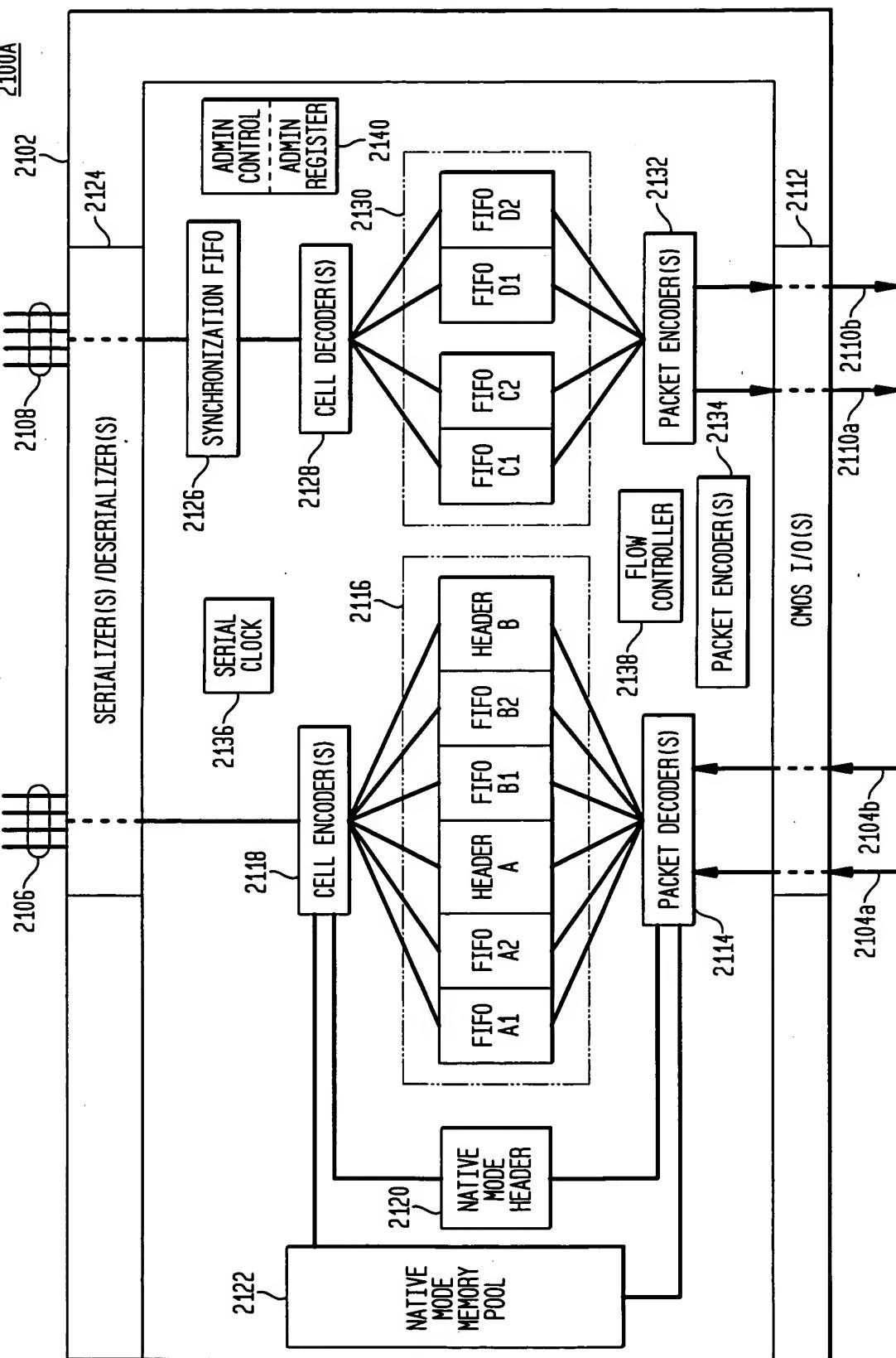


FIG. 20



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FIG. 21A



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FIG. 21B

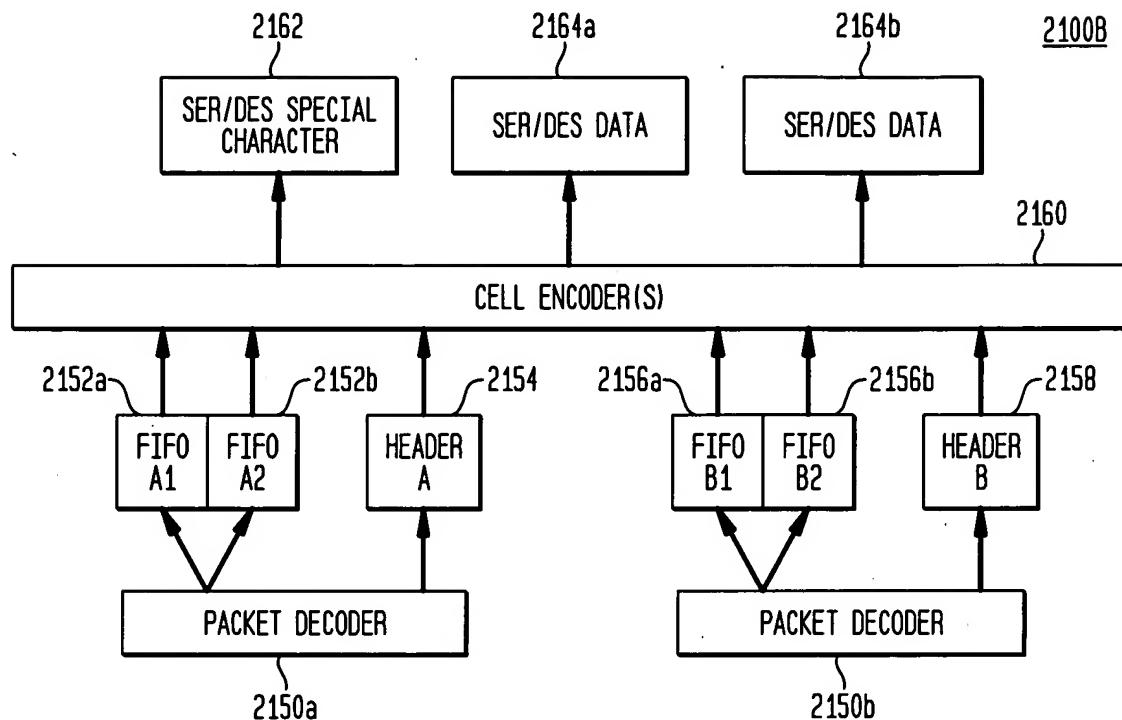


FIG. 21C

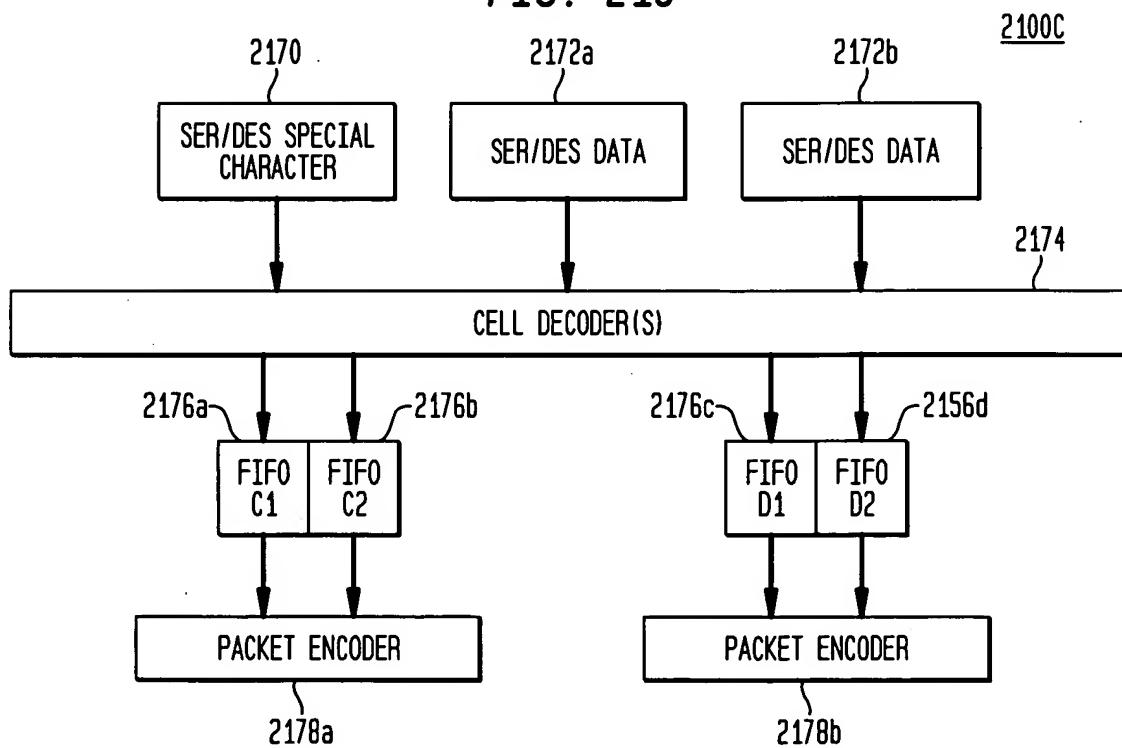


FIG. 21D

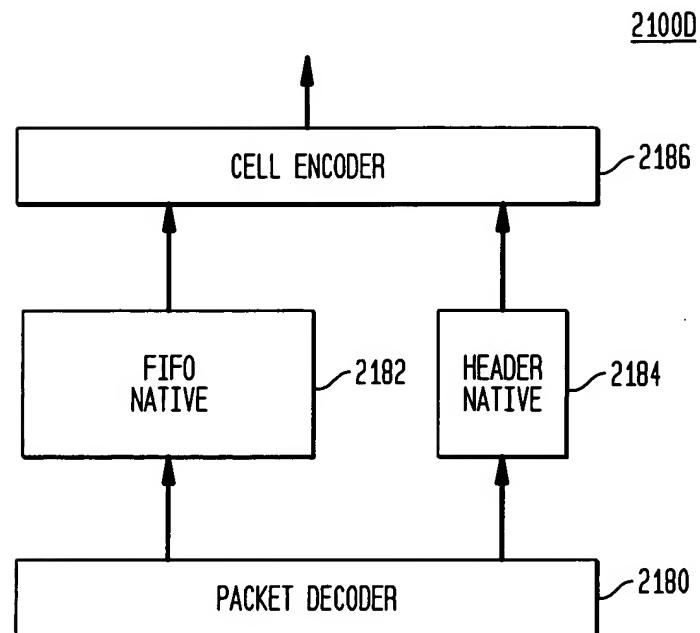


FIG. 21E

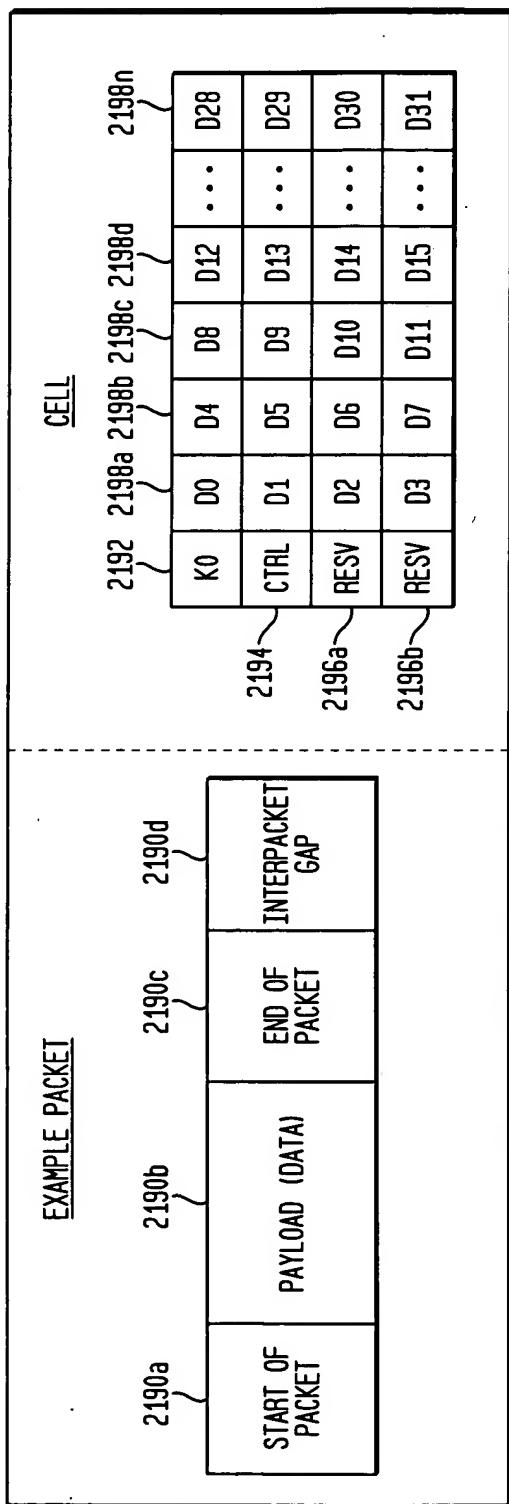
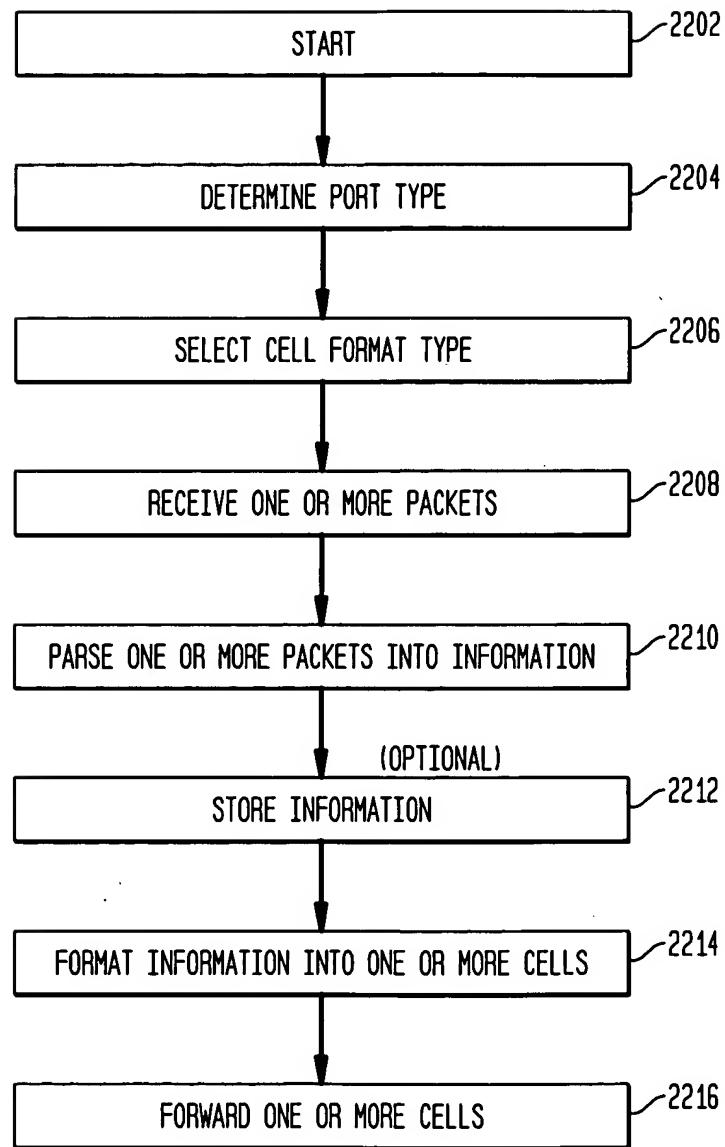
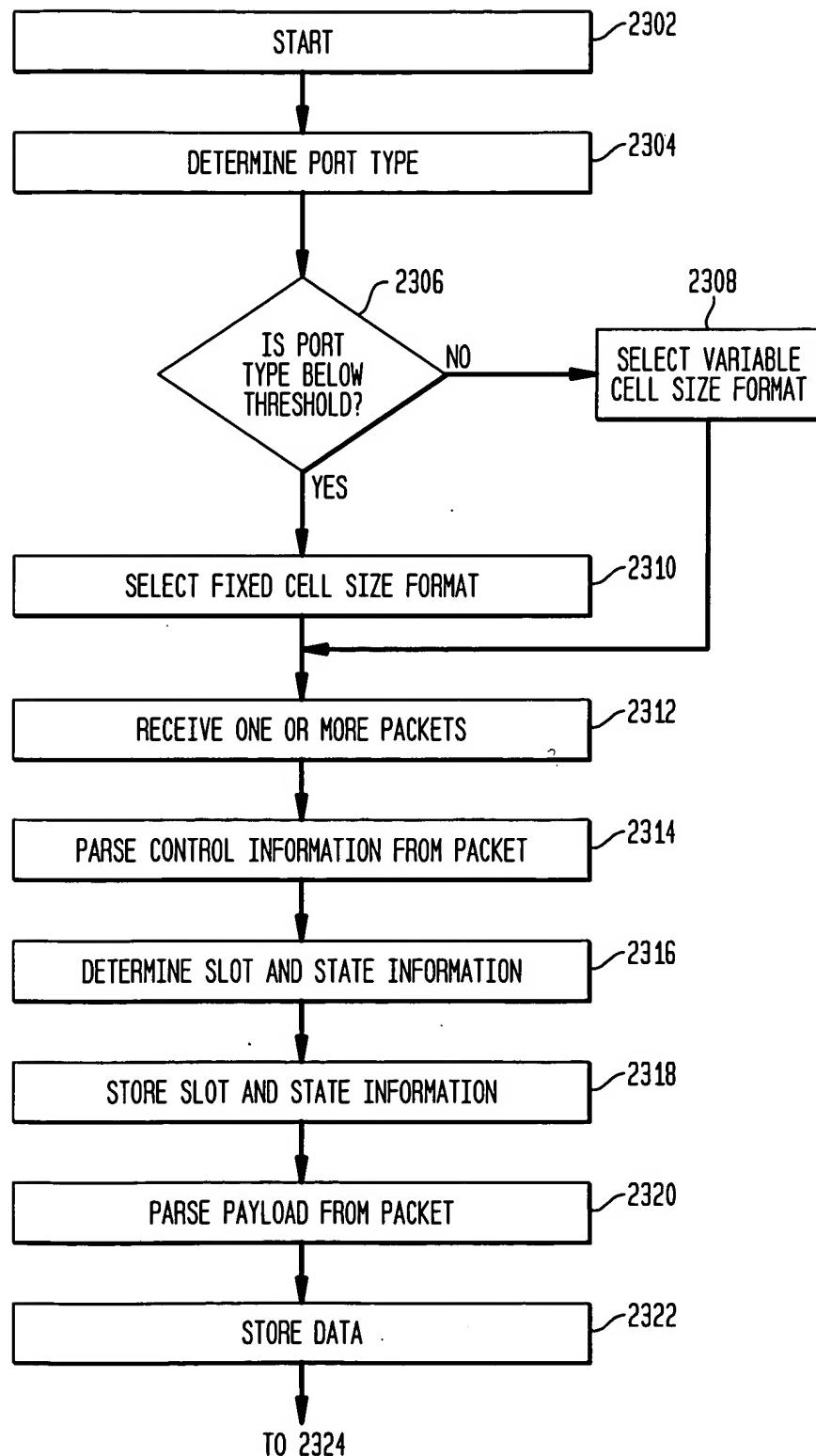


FIG. 22



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FIG. 23A



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FIG. 23B

FROM 2322

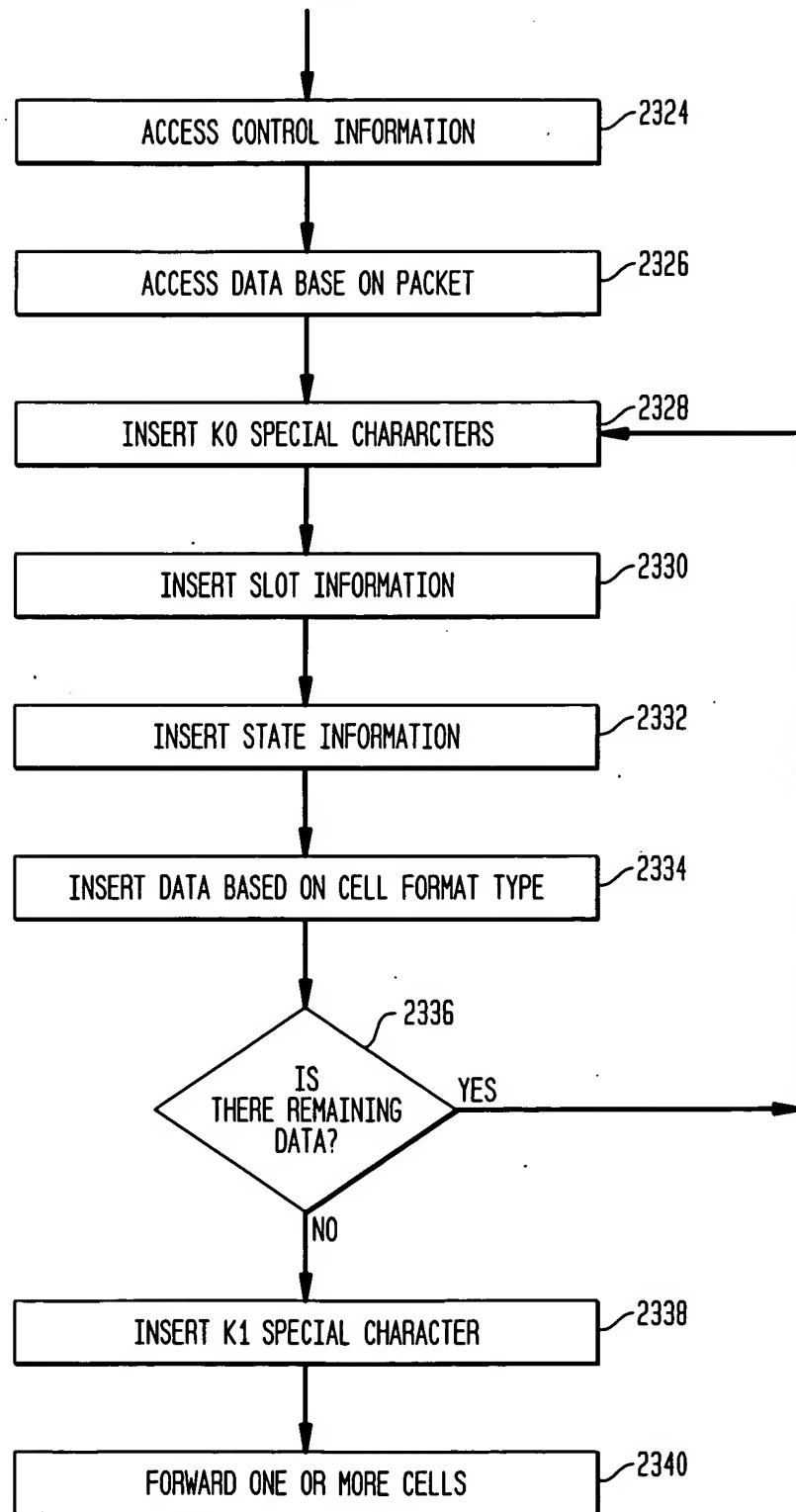
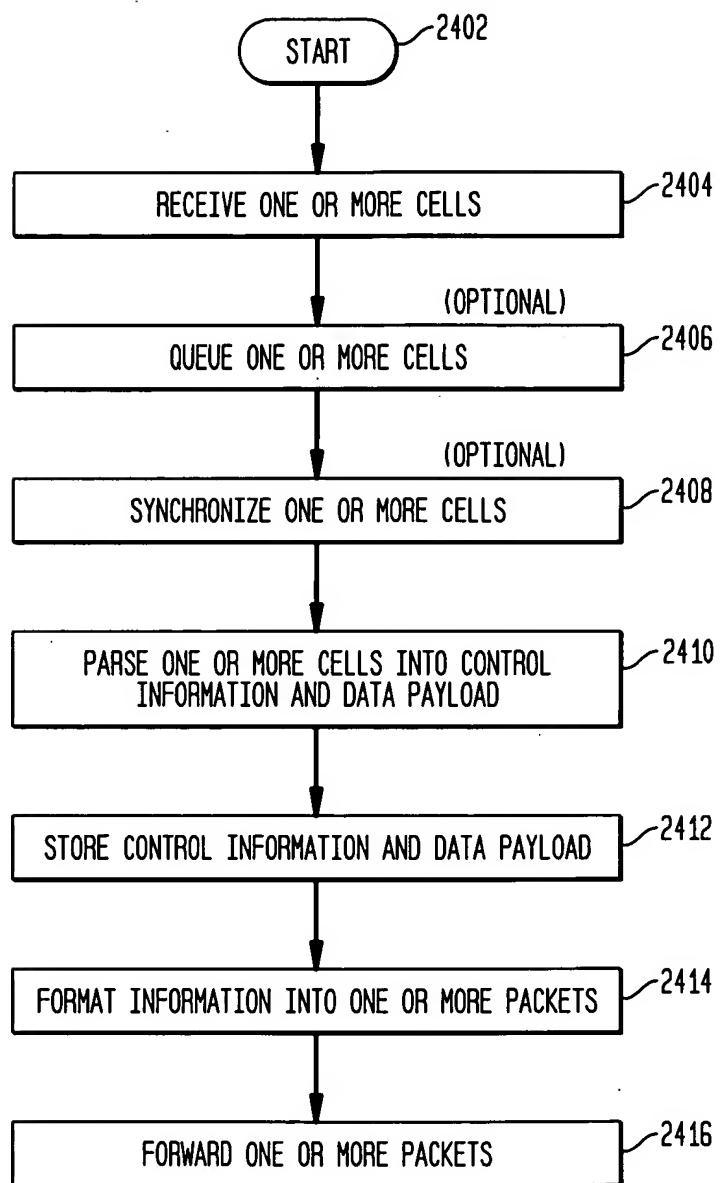
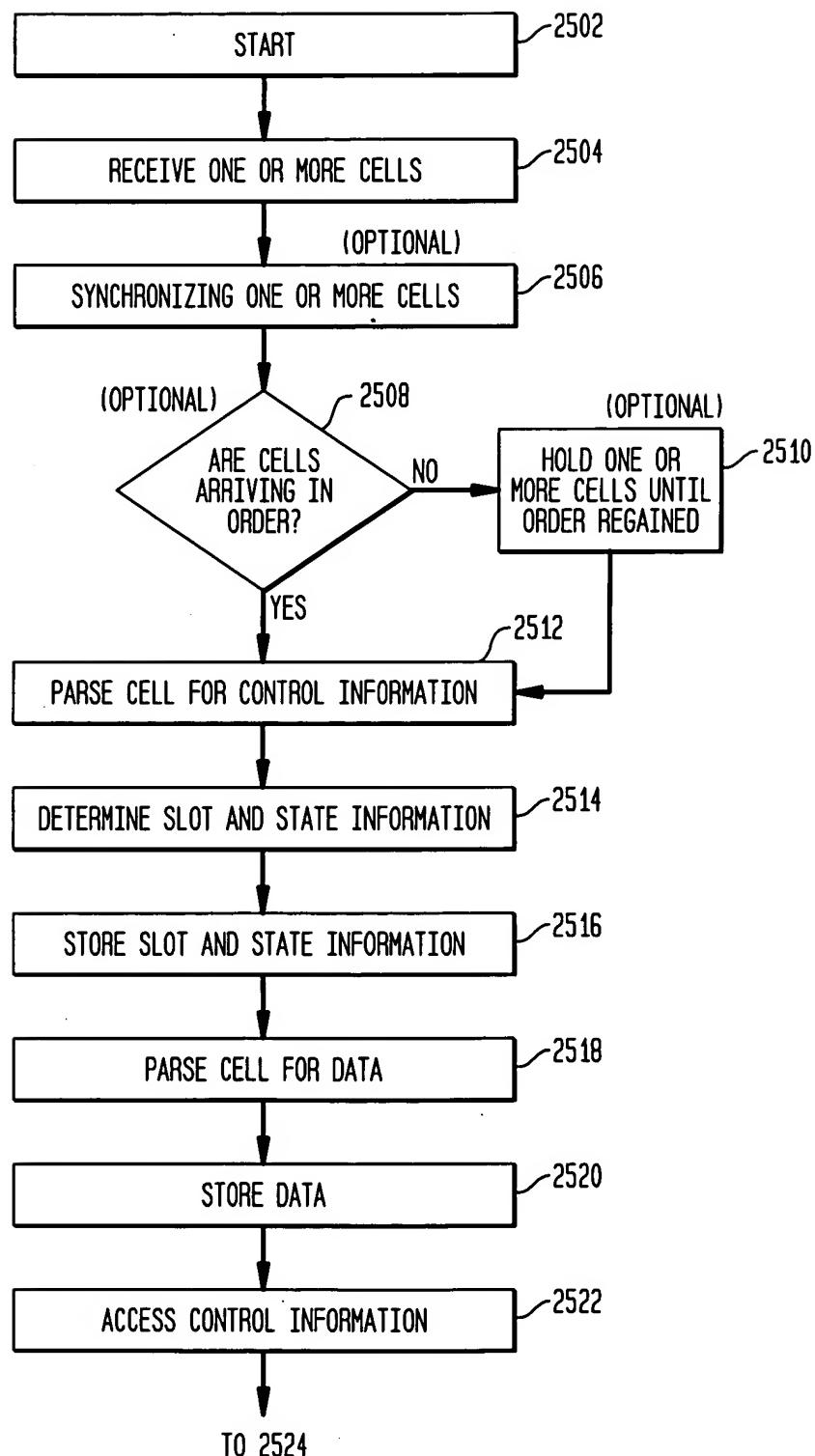


FIG. 24



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FIG. 25A



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FIG. 25B

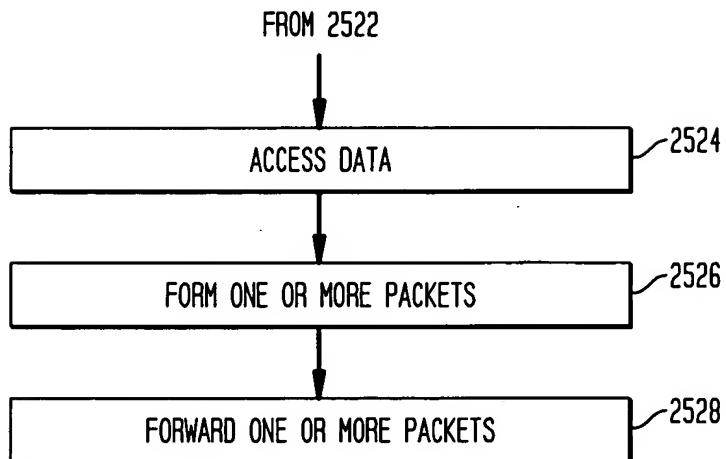


FIG. 26

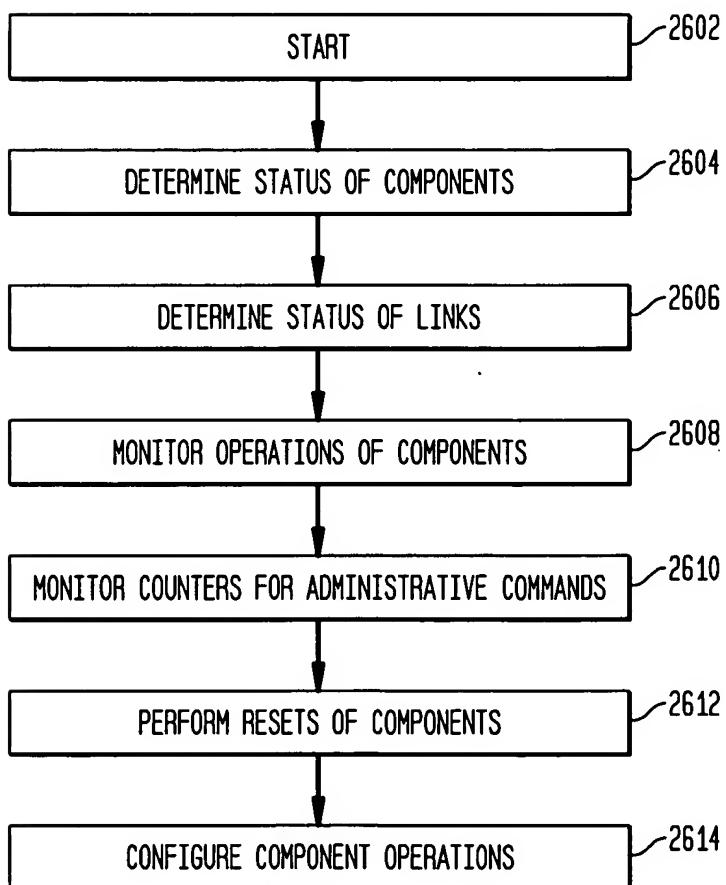
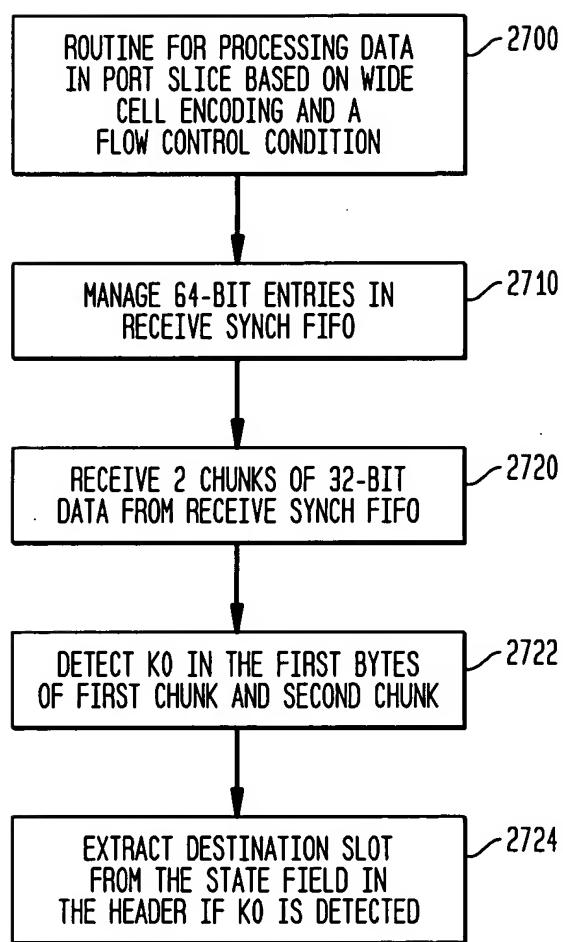
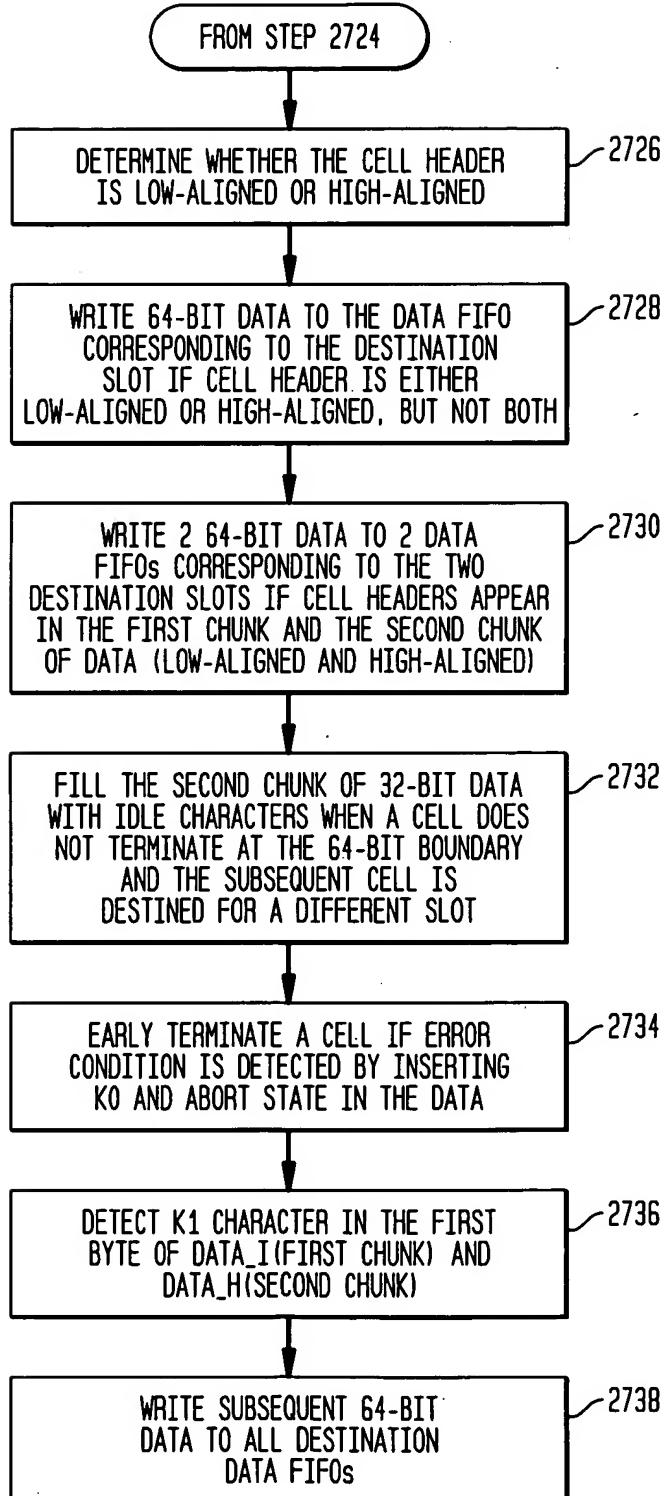


FIG. 27A



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FIG. 27B



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FIG. 27C

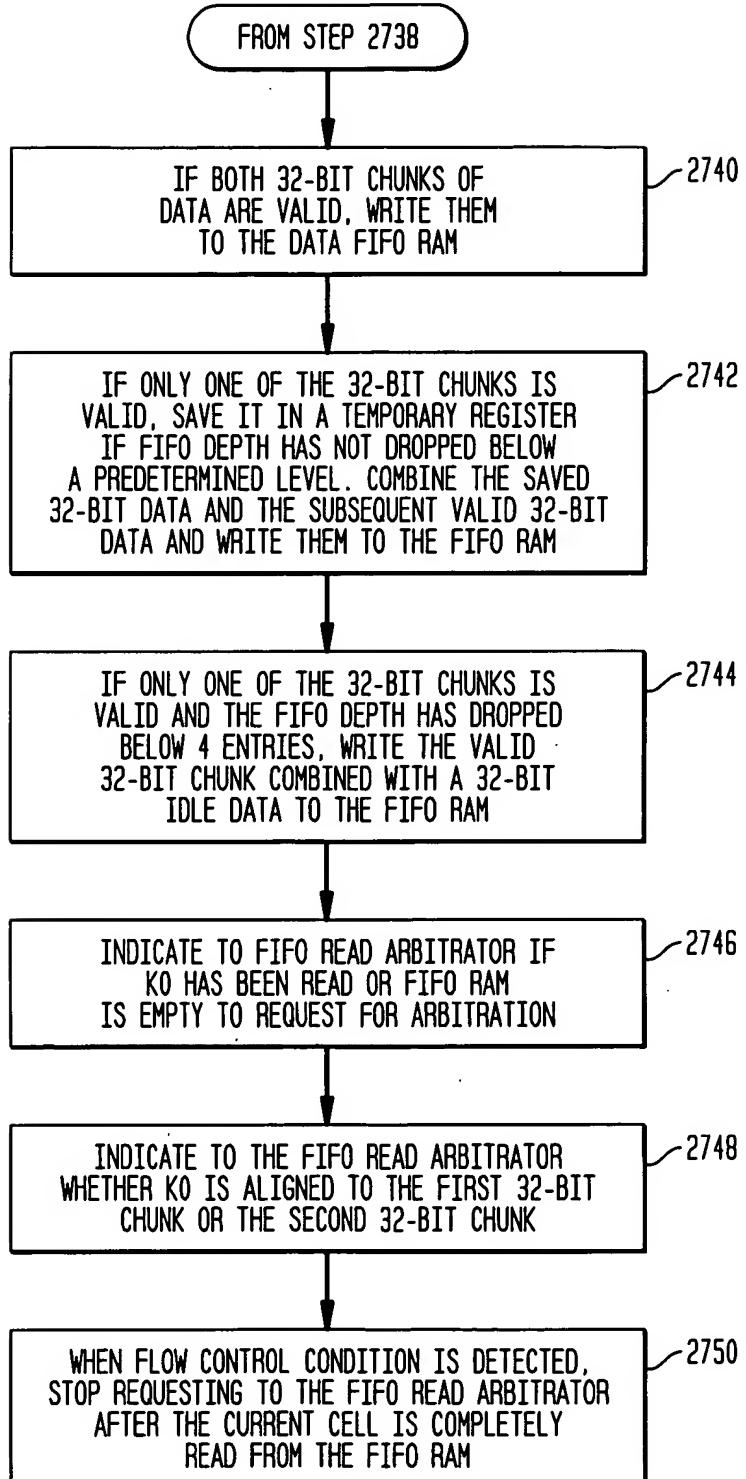
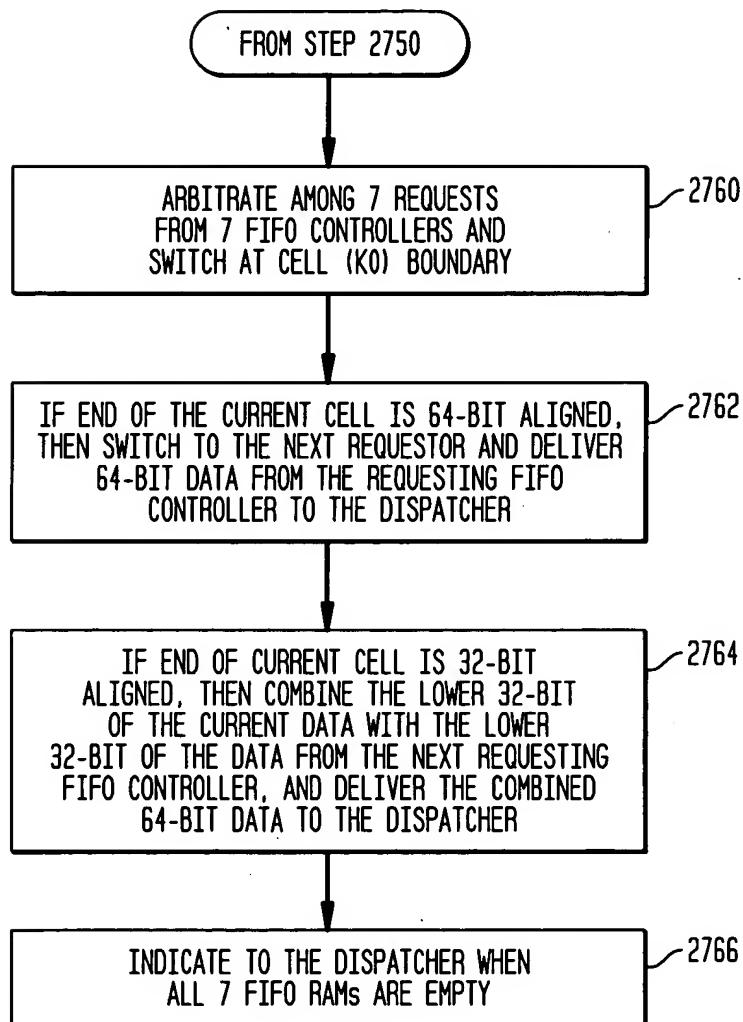


FIG. 27D



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FIG. 27E

